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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
Orthopedic Dentistry and Orthodontics 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 orthopedic dentistry));

Speciality - 31.05.03 Dentistry

Directivity (profile) – "Dentistry"

Qualification of a graduate: dental practitioner

Aspect of practical training - on-the-job training

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

The year when training started - 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 Orthopedic Dentistry and Orthodontics Department on March 25, 2022,
record № 17

Head of the Orthopedic
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Doctor of Medical Sciences, Professor , Yu. N. Urukov

AGREED BY:

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

Dean of the Faculty V. N. Diomidova

Acting Chief of the educational and methodological department, E.A. Shirmanova

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

The purpose of the on-the-job practical training is to consolidate the acquired knowledge in students and to acquire skills to provide outpatient orthopedic dental care.

Objectives of on-the-job training.

The on-the-job training of a student-dentist as an assistant to an orthopedic dentist is aimed at consolidating theoretical knowledge and practical skills acquired during the course of Orthopedic Dentistry in 5,6,7,8 semesters, namely:

1. Mastering and consolidating manual skills in orthopedic dentistry:
 - Removal of fixed prostheses;
 - Preparing the teeth and cavities for inlays and various crown designs;
 - Modeling of a pin stump structure;
 - Taking anatomical and functional impressions with various impression materials;
 - Casting plaster jaws models;
 - Mounting a model in the articulator with the help of a facebow;
 - Conducting parallelometry;
 - Making wax bases with occlusal rims;
 - Fitting and fixing the artificial crowns on cement.
 - Repair and reconstruction of laminar dentures and work with fast-hardening plastics;
2. Patient management: clarification of complaints, taking the history, carrying out the examination, justification of diagnosis, choice of treatment method and its implementation;
3. Consolidation of skills and abilities of using tools, equipment, models, assessment of the nearest and distant prognosis, recommendations for continuing treatment, executing medical documentation.

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

Aspect of practical training- On-the-job training

Type of practical training- practical training in obtaining professional skills and professional experience (in orthopedic dentistry), clinical practical training;

Method of practical training: stationary, field.

The form of on-the-job practical training: the student performs an orthopedic consultation as an assistant to an orthopedic dentist at an outpatient appointment in orthopedic offices of dental polyclinics at the end of the 8th semester.

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 mastering the educational program.

As a result of passing the practical training, the student must demonstrate the following learning outcomes:

Competence code	Competence achievement indicator	Planned learning outcomes
PC-1 - He/she is able to conduct examinations of the patient in order to make a diagnosis	PC-1.1 - He/she conducts a physical examination of the patient (taking complaints and history, inspection, palpation, percussion)	Know: - rules for history taking, questioning the patient; - registration index for various age groups; - international dental numbering system;

		<ul style="list-style-type: none"> - index assessment of oral tissues condition; - instrumental studies, their diagnostic opportunities, indicators corresponding to the norm and changes; <p>Be able to:</p> <ul style="list-style-type: none"> - conduct the patient's examination and questioning; - interpret instrumental examination methods; <p>Master:</p> <ul style="list-style-type: none"> - the skills of taking the history and methods of a patient's physical examination - assessment of oral tissues condition;
	<p>PC-1.2 - He/she analyzes the information obtained during the physical examination, additional examination methods, formulates an initial diagnosis</p>	<p>Know:</p> <ul style="list-style-type: none"> - etiology, pathogenesis, and prevention measures of the most common diseases (syndromes); - risk factors of diseases under study; <p>Be able to:</p> <ul style="list-style-type: none"> - interpret the data of questioning, inspection of the patient, instrumental examination methods; <p>Possess: the skills of analyzing the information obtained during a physical examination to make a preliminary analysis.</p>
	<p>PC-1.3. - He/she formulates a clinical diagnosis based on the information received.</p>	<p>Know:</p> <ul style="list-style-type: none"> - the scheme for examining a dental patient, the stages of the diagnostic process; - rules for filling out the case history; <p>Be able to:</p> <ul style="list-style-type: none"> - to carry out the main methods of patient's examination; - fill in a case history; <p>Master:</p> <ul style="list-style-type: none"> - skills of making a clinical diagnosis based on the information received. - rules for maintaining medical records.
<p>PC-2 - readiness to conduct preventive medical examinations, prophylactic medical screenings and follow-ups of patients with dental pathologies</p>	<p>PC-2.1 – He/she forms the goals and objectives of preventive and medical examinations, as well as screenings</p>	<p>Know:</p> <ul style="list-style-type: none"> - fundamentals of preventive medicine aimed at strengthening the health; - basic and additional examination methods necessary to assess the condition of the oral cavity and the results of treatment at the stages of observation; - the algorithm of examining patients with dental diseases; - maintenance of standard accounting and reporting medical dental

		<p>documentation</p> <p>Be able to:</p> <ul style="list-style-type: none"> - analyze and evaluate the quality of medical and dental care, the health status of the population, the impact of lifestyle factors, the environment and organization of medical care. - conduct a general clinical examination by indications <p>Master:</p> <ul style="list-style-type: none"> - skills in carrying out sanitary and educational work with the population aimed at promoting dental health, prevention of dental diseases
	<p>PC-2.2- He/she analyzes the information obtained during the physical examination, additional examination methods, formulates the tactics of carrying out screenings and preventive examinations</p>	<p>Know:</p> <ul style="list-style-type: none"> - requirements and rules for obtaining informed consent for diagnostic procedures; - the complex relationship between general diseases and dental health; - rules for drawing up dispensary groups; - basic principles of medical examination of patients with dental diseases <p>Be able to:</p> <ul style="list-style-type: none"> - find out the patient's complaints, to take the history of the present illness, and the past history, to fill out a health questionnaire; to conduct a clinical examination of the patient: external inspection, oral cavity examination, dental examination - to form dispensary groups, - to justify the need for methods of prevention of dental diseases; <p>Master:</p> <ul style="list-style-type: none"> - skills of filling out accounting and reporting documentation of an orthopedic dental practitioner; - skills of obtaining informed consent; - methods of monitoring the effectiveness of screening
<p>PC-3 - He/she is able to develop, implement and monitor the effectiveness of individual rehabilitation programs</p>	<p>PC-3.1 - He/she is able to develop an individual rehabilitation program</p>	<p>Know:</p> <ul style="list-style-type: none"> - principles of determining rehabilitation potential, rehabilitation prognosis, rehabilitation goal. <p>Be able to:</p> <ul style="list-style-type: none"> - determine the rehabilitation potential of the patient; - formulate the goal of rehabilitation; <p>Master:</p> <ul style="list-style-type: none"> - skills of determining the patient's condition on the scale of rehabilitation routing and other validated scales;

	PC-3.2 - He/she is able to implement and monitor the effectiveness of the developed individual rehabilitation program	<p>Know:</p> <ul style="list-style-type: none"> - categories of the International Classification of Functioning. <p>Be able to:</p> <ul style="list-style-type: none"> - express the rehabilitation diagnosis and dynamics of the patient in the categories of the International Classification of Functioning. <p>Master:</p> <ul style="list-style-type: none"> - rehabilitation technologies (FC, physiotherapy, etc.)
PC-4 - He/she is able to conduct and monitor the effectiveness of sanitary-epidemic and other preventive measures to protect public health	PC-4.1 - develop a plan of sanitary-epidemic and preventive measures to protect public health	<p>Know:</p> <ul style="list-style-type: none"> - goals and objectives of epidemiological dental examination; - epidemiological methods of examination in dentistry; - stages of epidemiological dental examination; <p>Be able to:</p> <ul style="list-style-type: none"> - assess the prevalence and intensity of caries; - determine an increase in the intensity of caries and reduction of caries; <p>Master: methods of epidemiological examination.</p>
	PC-4.2 - He/she conducts and monitors the effectiveness of developed sanitary-epidemic and preventive measures to protect public health.	<p>Know:</p> <ul style="list-style-type: none"> - evaluation methods of sanitary-epidemic and preventive measures to protect public health; <p>Be able to:</p> <ul style="list-style-type: none"> - carry out and determine the effectiveness of sanitary and epidemiological measures for public health protection; <p>Master:</p> <ul style="list-style-type: none"> - skills to determine the effectiveness of the developed sanitary-epidemic and preventive measures.
PC-5 - readiness to take the history and analyze a patient's complaints, data of his medical history, examination results, results of laboratory, instrumental, pathologic-anatomical and other studies in order to recognize the condition or to establish the presence or absence of a dental disease	PC-5.1 – he/she conducts and monitors taking and analysis of a patient's complaints	<p>Know:</p> <ul style="list-style-type: none"> -basic and additional methods of examination of a patient with dental diseases necessary for diagnosis in accordance with the International Statistical Classification of Diseases and Health-related Problems; <p>Be able to:</p> <ul style="list-style-type: none"> - to interpret the results of laboratory and instrumental study methods; <p>Master:</p> <ul style="list-style-type: none"> - the algorithm for making a detailed clinical diagnosis for patients with dental diseases; - the algorithm for performing basic

		medical diagnostic, instrumental examination methods; - the algorithm for performing additional medical diagnostic, instrumental examination methods
	PC-5.2 – he/she conducts and monitors measures to provide assistance in case of emergency conditions	Know: - the algorithm for diagnosing emergency conditions; Be able to: - to carry out a full range of measures in case of emergency conditions; Master: - the algorithm for providing assistance in case of emergency conditions.
	PC-5.3 – he/she conducts and monitors basic and additional diagnostic methods for patients with dental problems	Know: - classification, etiology, pathogenesis, clinical presentation, methods of making the diagnosis for patients with dental diseases of children; Be able to: - conduct basic and additional examination methods Master: - the algorithm for performing additional medical diagnostic, instrumental examination methods

4. The place of the practical training in the structure of the educational program for higher education.

The on-the-job training is foreseen by the educational program and curriculum.

The practical training is held in the 8th semester. It is conducted at the bases of medical facilities in Cheboksary, in the regions of the Chuvash Republic and other regions of the Russian Federation.

When passing practical training, the knowledge, skills and abilities formed during mastering the academic disciplines of the EP are used:

Propaedeutics of Dental Diseases and New Technologies (PC-1.1, PC-1.2, PC-1.3),

Pediatric Dentistry (PC-1.1; PC-1.2; PC-1.3; PC-4.1; PC-4.2),

Maxillofacial Surgery and Dentistry (PC-1.1; PC-1.2; PC-1.3; PC-2.1; PC-2.2; PC-3.1; PC-3.2),

Therapeutic Dentistry (PC-1.1; PC-1.2; PC-1.3; PC-2.1; PC-2.2; PC-3.1; PC-3.2; PC-4.1; PC-4.2; PC-5.1; PC-5.2; PC-5.3)

The practical training in orthopedic dentistry, as well as the discipline "Orthopedic Dentistry" refer to the basic part of the professional cycle of the General Educational Program disciplines in training of a doctor in the specialty "Stomatology"

The list of knowledge acquired and consolidated in the process of on-the-job training in orthopedic dentistry is instilled in the student at the 3rd, 4th courses and is based on the knowledge and skills acquired by the student at general clinical and related departments of dentistry.

Diseases that a student should diagnose when passing practice in orthopedic dentistry.

List of diseases and injuries	He/she must know	Master the treatment in practice	Refers*
Defects of hard dental tissues of carious and non-carious origin	+	+	

Secondary partial adentia	+	+	
Secondary complete adentia	+	+	

* to central dental polyclinics and other medical facilities

The basis for on-the-job training are orthopedic departments (offices) of dental polyclinics and the Accreditation and Simulation Center of the Medical Faculty at FSBEI of HE "I.N.Ulianov ChuvSU". The list of medical institutions for passing practical training for obtaining professional skills and professional experience (in orthopedic dentistry) by students is defined by the Order of the Health Ministry of the Chuvash Republic № 497-k dated 21.06.2000 "On Approval as Clinical Bases to Train Students of the Stomatological Faculty".

Main clinical bases

AI "Republican Dental Polyclinic" under the Health Ministry of Chuvashia
AI "Municipal Dental Polyclinic" under the Health Ministry of Chuvashia
AI "Novocheboksarsk Dental Polyclinic" under the Health Ministry of Chuvashia

5. Structure and content of the discipline

The practical training is foreseen in the 8th semester at the end of the session.

The total labor intensity of the practice is 3 credits, 108 hours.

Seq. N	Sections (stages) of practical training	Types of work in practice, including independent work of students	Lab or intensity, hours	Emerging competencies
1	Consulting patients	Complaints, past history. History of the present disease Objective status. additional examination, making a diagnosis, treatment, recommendations.	31.5	PC-1.1, 1.2, 1.3 PC-2.1; PC-2.2 PC-3.1, 3.2 PC-5.1, 5.2, 5.3
2	Treatment of defects in dental hard tissue	Prosthetics with inlays, artificial crowns, pin structures	21.5	PC-2.1; PC-2.2 PC-3.1, 3.2 PC-4.1; PC-4.2
3	Treatment of secondary partial adentia	Treatment using soldered, solid-cast, plastic, ceramic and combined bridge prostheses, partially removable laminar and clasp prostheses	20	PC-2.1; PC-2.2 PC-3.1, 3.2 PC-4.1; PC-4.2
4	Treatment of secondary complete adentia	Treatment using full removable laminar dentures made of acrylic, nylon plastics with plastic and porcelain artificial teeth	13.5	PC-2.1; PC-2.2 PC-3.1, 3.2 PC-4.1; PC-4.2
TOTAL			108	

^ the form of the diary and report see appendix 4

Type of intermediate certification: graded test in the 9th semester.

6. 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 feedback 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. (Appendix 1);
- a filled in sheet of familiarization with the requirements of occupational safety and health rules, with the rules of the internal labor order (Appendix 5);
- report of the student-trainee on the work performed during the practical training, indicating the new knowledge, skills and abilities obtained (Appendix 3).
- executed work schedule (plan) of the practical training (appendix 6);
- an executed individual assignment (plan) (Appendix 7)

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. Reports are presented to the head of the practical training representing the department and the head of the 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). With his permission, the student keeps the drafts of documents he has compiled, notes in the diary all the questions that arise related to the resolution of specific cases. Keeping such records will later make it easier for the trainee to compile a report on the practice.

The diary is endorsed by signatures of the practice supervisor representing the organization and the student passing the practical training.

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 in *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.

The volume of work is within 10-15 pages. 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.

Diagrams, graphs, charts, drawings, photographs, etc. are called figures, which are numbered sequentially by consecutive numbering under the figure, the text of the name is located at the bottom of the figure. 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 on the pre-graduation practical training is defended before the supervisor of the practical training and the head of the department.

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

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

7.1. Fund of assessment tools

In order to ensure the student's independent work during the practical training, the head of the practical training representing the FSBEI of HE "I.N.Ulianov Chuvash State University" conducts an organizational meeting before the student's referral, at which students are instructed on passing the practical training and receive specific recommendations on performing corresponding types of independent work.

In-process consultations, including those on independent work, are received by students from the heads of the practical training representing the FSBEI of HE "I.N. Ulianov Chuvash State University" and/or at the enterprise.

A special interim control by practical training sections is not required.

The main document characterizing the student's work during practical training is the report. The report summarizes and analyzes the experience of the organization's manufacturing activity, reflects the student's personal participation in solving production tasks and social life of the enterprise during the practical training. 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 assignment. 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 clarified with the practice supervisors.

The content of the report should reflect the completeness of implementing the main objectives of the practical training. The results of the individual task are given in particular detail. The practice report should consist of the following main sections:

- 1) Description of the practice base;
- 2) Functional responsibilities of the student during the practical training, revealing the structure of his /her activities and working conditions.
- 3) Practice diary;
- 4) Conclusions and suggestions;
- 5) Literature;
- 6) Appendices to the report.

Attestation by the results of the practical training is carried out on the basis of a written report executed in accordance with the established requirements and a feedback given by the supervisor of the practical training. The practice report is compiled individually by each student. The supervisor evaluates the formed skills and abilities, the degree of responsibility, independence, creativity, interest in work, etc., which he sets out in the review.

The report is checked by the supervisor of the practical training from the department which organizes it. Next, the student defends the report.

To identify the learning outcomes, an interview is used – a means of control organized as a special conversation between the teacher and the student on topics related to the on-the-job practical training and designed to clarify the level of competence formation, the scope of the

student's knowledge on a certain section, topic. The credit test, which includes an assessment of practical skills and an interview is held (within 2 weeks after the end of the practice).

Individual assignments for the practical training.

Sanitary and educational work (features of conducting and suggested topics of conversations and lectures).

During the period of on-the-job training, the student must participate in sanitary and educational work.

Its goals are:

- acquisition of the ability to conduct sanitary and educational work with the population and getting to know its forms; improving the level of sanitary and medical literacy of the population,
- formation of people's motivation to lead a healthy lifestyle.

During the period of practical training, the student should give one lecture and conduct 3-4 conversations on medical topics. The lecture can be given to patients of the department in which the practice is conducted, or in other departments of the hospital. After giving the lecture, a permit is filled in, which indicates the full name of the lecturer, the topic of the lecture, where and when it was given, the number of listeners. The permit is certified by the personal signature of the basic head of the practical training and the seal of the medical institution. Conversations are conducted with a limited number of participants, for example, with patients of the supervised ward. The topic of the conversations is chosen by the trainee-student independently, based on the interests or prevailing somatic pathology in the participants of the conversation. A note is made in the practice diary about the conversation indicating its topic or the range of issues discussed.

Suggested topics of lectures and conversations:

1. Oral hygiene after dentoprosthetic rehabilitation with dental bridgework.
2. Features of oral hygiene after prosthetics with partially removable dentures.
3. Adaptation to removable dentures and rules of taking care of them.

Evaluation criteria:

A "satisfactory" mark: the student sufficiently understands the question, answers mostly correctly, but cannot substantiate some conclusions and suggestions, makes mistakes in reasoning.

A "good" mark: the student understands the question well, answers clearly, he is able to evaluate facts, reasons independently, draws conclusions, but admits some inaccuracies and general errors.

An "excellent" mark: the student deeply and comprehensively understands the question, answers clearly, he is able to evaluate facts, reasons independently, has the ability to substantiate conclusions and explain them in a logical sequence.

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

Criteria for assessing the formation of competence

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

<p>Know:</p> <ul style="list-style-type: none"> - goals and objectives of dental education; - methods and means of dental education; - the main directions of primary prevention; <p>Be able to:</p> <ul style="list-style-type: none"> - eliminate factors contributing to the development of dental diseases; - organize the prevention of dental diseases in the dental service system <p>Master:</p> <ul style="list-style-type: none"> - skills of determining the state of dental health of the population; - create living conditions that exclude harmful factors for health, as well as provide necessary medical care. 	<p>The student has only partially mastered the minimum level of knowledge. 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. 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>
<p>Planned learning outcomes</p>	<p>Assessment of competence formation at the intermediate stage</p>			
<p>Know:</p> <ul style="list-style-type: none"> - methods of preventing major dental diseases; - features of organizing the prevention of dental diseases in the dental service system - features of hygienic education of adult population; - indications to select various oral hygiene products and items and their combinations; <p>Be able to:</p> <ul style="list-style-type: none"> - organize and carry out activities aimed at preventing diseases and forming a healthy lifestyle - conduct hygienic training for all age 	<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>
<p>Unsatisfactory (2 points)</p>	<p>Satisfactory (3 points)</p>	<p>Good (4 points)</p>	<p>Excellent (5 points)</p>	

groups; - individually choose oral hygiene products and items depending on the age and condition of the oral cavity and after dentoprosthetic rehabilitation with overdentures and fixed dentures; Master: skills of carrying out activities aimed at preventing diseases and forming a healthy lifestyle				
Planned learning outcomes	Assessment of competence formation at the final stage			
	Unsatisfactory (2 points)	Satisfactory (3 points)	Good (4 points)	Excellent (5 points)
Know: - criteria for evaluating the effectiveness of dental education; - methods of control to educate oral hygiene skills; Be able to: - carry out controlled brushing of teeth; - evaluate the effectiveness of dental education; Master: - methods of conducting and analyzing the effectiveness of dental education measures.	The student does not demonstrate an advanced level of knowledge.	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.	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	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.

7.3. The list of questions for the test in accordance with the following competencies: PC-1.1, PC-1.2, PC-1.3, PC-2.1, PC-2.2, PC-3.1., PC-3.2, PC-4.1, PC-4.2, PC-5.1, PC-5.2, PC-5.3.

Questions for oral control in orthopedic dentistry.

1. Pathology of the hard dental tissues. Classification and etiological factors. Methods of examination. Diagnostics. Types of dentures that restore the anatomical shape of teeth. Methods of treatment: with the use of light-curing composites, inlays, artificial crowns, pin structures.
2. Design features of removable dentures in orthognathic, protrusive and prognathic relation of dentition. Construction of a dentition according to individual occlusal curves.

3. Pathology of hard dental tissues of carious etiology. Black's classification of cavities. International classification with a letter designation of cavities topography. Direct and indirect methods of manufacturing inlays.
4. Two-layered bases of dentures in complete adentia. Indications, method of manufacturing. Features of orthopedic treatment of patients with lowered height of the lower face, in repeated prosthetics.
5. The technique of preparing hard dental tissues for artificial crowns. The set of necessary tools. Preparation mode. Biological reaction of dental tissues to odontopreparation.
6. Try-in and applying a removable laminar denture. Control of occlusive-articulatory relationships between dentitions in all types of occlusion. Criteria for assessing the quality of removable dentures. Instructions to the patient about the rules of using removable dentures, oral hygiene and care of the denture. Prognosis.
7. Types of stabilizing dentition in periodontal diseases. Substantiation for the design of a splinting structure or a splint-prosthesis, depending on the of the pathological process localization.
8. Principles of teeth preparation for cast crowns. The set of necessary tools. The technique of creating a definite shoulder, its shape, location in relation to the gum.
9. The culture of medical consultation. Ethics and deontology in the doctor-patient relationship.
10. Morphology of the gingival sulcus (fold). The concept of "gingival pocket". Methods of "opening" (retraction) of the gingival margin and exposure of the formed shoulder. The technique of obtaining a double refined impression.
11. Orthopedic treatment of partial absence of teeth with clasp (supporting) prostheses. Indications for clasp prostheses manufacture. Clinical and laboratory stages of manufacturing.
12. Preparation of patients for orthopedic manipulations.
13. Herbst functional tests. The border of the denture base in the complete adentia on the upper and lower jaws. Re-shaping the sides of the spoon to obtain functional suckability. Materials for clarifying the boundaries of individual spoons.
14. Complete adentia. Features of clinical examination. Classification of edentulous jaws. Classification of the types of mucous membrane in the prosthetic bed by Supple, mucosa compressibility by Lund, pain sensitivity of the mucous membrane.
15. The clinical stage in manufacturing a swaged crown - preparation of the tooth. The set of necessary tools. Requirements for a properly prepared tooth for an all-metal swaged crown.
16. Biomechanics of the lower jaw. Patterns of dental arches articulation and occlusion.
17. Classification of cavities in classes I and II defects by the destruction degree of the dental occlusal surface (IROPZ). Design features of inlays depending on the material and on the damage index to dental occlusal surfaces (IROPZ).
18. Determination of the centric jaw relation in patients with complete absence of teeth according to the classical theory of Bonville-Gysi-Hanau. Anthropometric landmarks on the face. Definition of concepts: "height of the lower facial part in the position of relative physiological rest of the masticatory muscles"; "height of the lower facial part in central occlusion".
19. Features of anesthesia during orthopedic interventions: premedication, infiltration, conduction anesthesia.
20. Indications and clinical and laboratory stages of manufacturing artificial crowns for clamp fixation.
21. Features of designing dentures in orthognathic, protrusive and prognathic relation of dentitions. Construction of a dentition according to individual occlusal curves.
22. Biomechanics of the temporomandibular joint.
23. Complete absence (destruction) of the tooth crown. Etiology. Clinical options. Indications for choosing treatment with a pin structure, depending on the clinical condition of the perigingival part of the root. Classification of pin structures.

24. Central occlusion and its signs. Methods of fixing dentition in central occlusion.
25. The method of orthopedic treatment with cast inlays, ceramic inlays, light activated resin composites. The principle of cavity preparation in classes I and II by the type of inlays – "inlay", "onlay", "overlay".
26. Correction of removable dentures. Possible complications when using removable laminar dentures. Oncological alertness.
27. Partial adentia. Etiology. Clinical presentation. Methods of examination. Odontoparodontogram. Classification of dental arches defects. Formation of the diagnosis. Fixation of bridge restorations.
28. Plastic crowns. Indications and contraindications for their use. Preparation of a tooth for a plastic crown. Manufacturing technology of plastic crowns, polymerization process.
29. Complex therapy of parodontitis. The method of temporary splinting as a therapeutic stage aimed at creating the stability of teeth and dental arches in general. Indications for the use of temporary splints.
30. Determination of central occlusion in partial absence of teeth. Groups of defects and tactics of the doctor in a different combinations of the remaining teeth in the central occlusion.
31. Orthopedic treatment of defects in hard dental tissues with porcelain crowns. Indications and contraindications for their use. Principles and techniques of teeth preparation. Color matching.
32. Laminar dentures and their structural elements. Types of clamps, their constituent elements. Clinical and laboratory stages of manufacturing.
33. Simultaneous (clinical) production of temporary crowns from rapidly polymerizing plastics.
34. Dental bridgework with support swaged crowns. Clinical and laboratory stages. Technological techniques in manufacturing swaged soldered bridgework. Requirements for properly manufactured and fitted crowns.
35. The structure of the parodontium. The use of parodontal physiological reserves during dentoprosthetic rehabilitation. Oxman and Agapov indices.
36. Checking the design of removable dentures in complete absence of teeth in the patient's mouth. Assessment of the correctness of determining the height of the lower facial part in the position of the central occlusion. Ways to eliminate errors in lowered or raised height of the lower facial part.
37. Fitting artificial crowns. Requirements for a properly manufactured crown. Analysis of restoring the shape of the tooth, dentition. Determination of occlusal contact in all types of occlusion.
38. Indications and methods of manufacturing two-layer bases. Metallic, metallized bases of laminar dentures.
39. Definition of the concept "direction of inserting and removing" of a clasp prosthesis frame with a clasp attachment system. Parallelometry (studying jaw models in a parallelometer).
40. Complete destruction of the crowns of single-root teeth. Treatment with pin teeth. Types of pin teeth, their structural features (Logan-Davis, Richmond, Ilina-Markosian).
41. Traumatic periodontal overload. Identification of teeth areas that block occlusal movements of the lower jaw. Occlusiogram. Selective slicing of teeth that block the movements of the lower jaw. Prevention of hypertension, caries.
42. Bonneville, Hanau's laws of articulation. Articulators, design principles.
43. Complete destruction of the crowns in single-root teeth. Restoration by stump "pin" structures. Preparation of the perigingival part and root canal. Direct and indirect method of manufacturing a pin stump structure.
44. Indications for teeth extraction in parodontal diseases. Temporary removable laminar dentures - immediate insertion dentures. Indications for manufacturing. Their purpose.
45. Methods of fixing and stabilizing removable laminar dentures.

46. Complete destruction of the crowns of multi-root teeth with non-parallel roots. Direct methods of manufacturing pin stump structures of multi-root teeth with non-parallel roots: "dental build-up in a dental build-up with pins", with a "guide main root".
47. Orthopedic treatment of partial adentia with clasp prostheses with a telescopic, interference and bar fixation systems.
48. Methods of fixing and stabilizing removable dentures in completely absent dentition
49. The basic principles of preparing teeth for solid bridgework without facing; with ceramic, composite and glass-ceramic coatings. The shape of the shoulder, its location relative to the gum; a set of abrasive tools; the sequence of application. Protection of the gingival margin when preparing teeth with a shoulder.
50. Anatomical and physiological structural features of toothless upper and lower jaws in ensuring fixation of dentures.
51. Long-term results of treating patients with dental inlays. Possible errors and complications at the clinical and laboratory stages of treating with inlays.
52. Methods of manufacturing individual spoons for the upper and lower jaws (wax, plastic).
53. Fixation of artificial metal stamped crowns on cement. Cements for fixing non-removable dentures, varieties (phosphate, polycarboxylate, glass ionomer), properties, application.
54. Preparation of a tooth and an artificial crown for cementing, cement mixing, introduction of cement into the crown and its fixation. Instruction to the patient.
55. Anthropometric, anatomical, anatomophysiological methods for determining the height of the lower facial part in patients with completely absent dentition.
56. Fitting a cast frame of a combined crown. Requirements for a properly manufactured cast frame. Methods for determining the density of the frame fit to the tooth tissues. Choosing the color of the facing material.
57. Types of artificial teeth placement in case of dentition defects. Indications for setting teeth on the short-bite (artificial gum).
58. Diagnosis and differential diagnosis of "prosthodontic stomatitis". Acrylic plastics, as allergological, chemical-toxic and traumatic factors in the development of pathological changes in the mucous membrane of the prosthetic bed.
59. Clinical and theoretical substantiation for determining the number of supporting teeth in the treatment with dental bridgework. Types of bridge prosthesis supports and structures of the intermediate part of the bridge prosthesis.
60. Fixed and removable types of immediate prostheses. The main stages of manufacturing immediate prostheses. Preparation of plaster models when manufacturing immediate prostheses. The technique of applying immediate prostheses.
61. Indications for the manufacture of solid-cast combined crowns (metal ceramics, metal plastic). Correction of occlusive relationships.
62. Preparation of the oral cavity for orthopedic treatment. Types of dentures. Features of their transfer of chewing pressure.
63. Checking the design of removable dentures. Analysis of medical and technical errors in determining the central ratio of the jaws – causes, signs, consequences, methods of elimination.
64. Possible errors at the clinical and laboratory stages of manufacturing stamped crowns and complications during their use.
65. The laboratory stage of replacing wax with plastic. Types of gypsum coating (direct, reverse, combined) of wax compositions of the prosthesis in the flask.
66. The problem of adapting to prostheses at rest, when chewing, talking. Instructions to the patient about the rules of using prostheses. Appointment for re-examination, medical examination of this contingent of patients. Oncological alertness.
67. Errors (technical, clinical) and complications in orthopedic treatment with fixed dental bridgework. Methods of prevention.

68. Clinical indications for treatment with clasp prostheses; Characteristics of structural elements in clasp prostheses: metal frame – internal attachments, plate; bases – with bounded spaces and free-end saddles Clinical and laboratory stages of manufacturing.
69. the concept of fixing and stabilizing dentures in completely absent dentition The construction of prostheses in complete absence of teeth in the occludator on glass and in Gysi's articulator.
70. Correction of the facing color of a porcelain-fused-to-metal crown. Fixing crowns on cement. Possible errors at the clinical and laboratory stages of manufacturing solid-cast combined crowns and complications during their use.
71. Intolerance to plastic prostheses. Clinical manifestations, prevention.
72. Preparation of the patient for orthopedic counseling in concomitant somatic diseases.
73. Artificial crowns. Types. Materials. Clinical and laboratory stages of manufacturing a single swaged crown.
74. The clinical stage of applying dentures in the patient's mouth in completely absent dentition. Checking dentures' fixation; closing of dentition in the centric, anterior and lateral occlusions. Phonetic tests.
75. Planning a clasp prosthesis design: Parallelometry methods for determining the ways to place the denture.
76. Indications and methods of manufacturing individual spoons.
77. Dental bridgework with support swaged crowns. Indications for use and clinical and laboratory stages.
78. Orthopedic treatment of partial adentia with clasp prostheses with a telescopic, interference and bar fixation systems, their varieties.
79. Disinfection system, sterilization in the clinic and laboratory.
80. The basic principles of preparing teeth for artificial crowns with a shoulder and without a shoulder. Types of shoulders and their location. Clinical stages of manufacturing cast metal crowns.
81. Systems for fixing removable dentures with molar denture clasps. Clasps types of Ney system, the purpose of each element of the molar denture clasp.
82. Clinical methods for evaluating the prosthetic bed. The concept of compressibility, mobility of the mucous membrane and buffer zones.
83. Clinical stages of manufacturing an sold cast dental bridgework faced with ceramics. The final laboratory stage (color correction, glazing, polishing). Fixation of the bridge prosthesis on cement.
84. Temporary removable laminar dentures - immediate insertion dentures. Indications for their manufacturing. The importance of early prosthetics in parodontal diseases".
85. Clinical and laboratory stages of prosthetics with full removable laminar dentures.
86. The role of oral hygiene in patients with dentures in parodontal diseases. Personal and professional hygiene products
87. Definition of the concept of "physiological", "delayed", "increased" dental abrasion.
88. Clinical presentation, diagnosis of a localized form of increased dental abrasion.
89. Methods of orthopedic and complex treatment of increased dental abrasion in intact dentition and partial absence of teeth.
90. Etiology, pathogenesis, classification of dentition deformities in partial absence of teeth.
91. The concept of a functional center, direct and reflected traumatic node, non-functioning link, traumatic occlusion and articulation
92. Features of taking the history and clinical examination in patients with partial absence of teeth.
93. The study of diagnostic models in the articulator
94. Radiological methods of examining patients with partial absence of teeth.
95. The main and additional examination methods in the treatment of patients with deformity of the dentition as a result of hard dental tissues pathology.

96. The damage index to dental occlusal surfaces (IROPZ) (according to V.Yu. Milikevich), its determining and significance for the choice of the treatment method and the design of the denture.
97. Etiology, pathogenesis, classification of dentition deformities and occlusion in partial absence of teeth.
98. Etiology, pathogenesis, clinical presentation, diagnosis, prevention of intolerance to dentures.
99. Oncological alertness when using prostheses.
100. Pathological conditions caused by metal dentures. Clinical presentation, diagnostics, treatment.
101. Pathological conditions caused by metal plastic dentures. Clinical presentation, diagnostics, treatment.
102. Differential diagnosis of the oral mucosa lesions from the basic manifestations of common diseases in the oral cavity.
103. Diagnostic errors and methods of their elimination in orthopedic treatment of patients with dental crown defects.

7.4. Distribution of independent work.

№№ paragraph	Independent work	Total hours	Term 8
1.	Preparation for practical classes;	9	9
2.	Independent study of educational issues;	9	9
3.	Executing a diary	6	6
4.	Preparation for a credit test	12	12
	Total hours of independent work	36	36

8. 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.chuvsu.ru/>

8.1. Recommended basic literature

№	Title
1.	Kalivradzhiyan, E. S. Orthopedic Dentistry: textbook / ed. E. S. Kalivradzhiyan, I. Yu. Lebedenko, E. A. Bragin, I. P. Ryzhova - Moscow : GEOTAR-Media Publ., 2018. http://www.studmedlib.ru/ru/book/ISBN9785970437056.html
2.	Mironova, M. L. Dental Materials Science with a Course on Occupational Health and Safety : textbook / Mironova M. L. , Mikhailova T. M. - Moscow : GEOTAR-Media Publ., 2020. - 368 p. - ISBN 978-5-9704-5382-7. - Text : electronic // EBS "Student Consultant" : [website]. - URL : https://www.studentlibrary.ru/book/ISBN9785970453827.html (accessed: 17.01.2021). - Access mode: by subscription.

8.2. Recommended additional literature

	Title
1.	Bazikyan E.A.. Organization and Equipment of a Dental Clinic, Office. Sanitary and Hygienic Requirements. Ergonomic Basics of a Dentist's Work [Electronic resource]: Ministry of Education and Science of the Russian Federation. Recommended by the SBEI of SPE "Russian Medical Academy of Postgraduate Education" under the Health Ministry of the Russian Federation as a textbook for use in educational institutions implementing educational programs of higher professional education in dental specialties. - Moscow: GEOTAR-Media Publ., 2016. - Access mode: http://www.studentlibrary.ru/book/ISBN9785970438022.html
2.	Saleev R. A., Viktorov V. N., Fedorova N. S., Urukov Yu. N. Dental Orthopedic Rehabilitation of Patients with Completely Absent Dentition: an educational and methodical manual [for 4th-

	5th courses of the Faculty of Dentistry in the specialty "Orthopedic Dentistry"]. Cheboksary: Chuvash University Publishing House, 2018. - 107 p.
3.	Viktorov V. N., Urukov Yu. N. Oncological Alertness in Dentistry: an educational and methodological manual [for the medical faculty of the specialty "Stomatology"]. Cheboksary: Chuvash University Publishing House, 2019. - 103 p.

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

Name	Link to the resource
Scientific Library of the FSBEI of HE "I.N. Ulianov Chuvash State University"	Access mode: http://library.chuvsu.ru
Electronic library system IPRbooks [Electronic resource]	Access mode: http://www.iprbookshop.ru
Electronic library system "Yurayt": electronic library for universities and colleges [Electronic resource]	Access mode: https://www.biblio-online.ru
EBS "Publishing House "Lan" [Electronic resource]	Access mode: https://e.lanbook.com/
Consultant of a Student. Electronic library of a medical university [Electronic resource]	Access mode: http://www.studmedlib.ru/
Russian State Library [Electronic resource]	Access mode: http://www.rsl.ru
Russian National Library [Electronic resource]	Access mode: http://www.nlr.ru
Scientific Electronic Library "Cyberleninka" [Electronic resource]	Access mode: http://cyberleninka.ru

Professional databases, information and reference systems

Scientific Library of the FSBEI of HE "I.N. Ulianov Chuvash State University"

Electronic library system "Yurayt".

Electronic library system "Lan Publishing House".

Web of Science

Scopus

Springer Database

Electronic library system IPRbooks.

Legal search system "Garant",

Legal reference system "Consultant Plus»

Consultant of a Student. Student Electronic Library

Software, professional databases, information and reference systems provided by the Informatization Department of the FSBEI of HE "I.N. Ulianov Chuvash State University" are available for download at the link <http://ui.chuvsu.ru> //. The Unified Register of Russian programs for electronic computers and databases, including freely distributed ones, is available at the link [reestr.minsvyaz.ru/reestr /](http://reestr.minsvyaz.ru/reestr/).

9. List of information technologies used in carrying out the practical training, including the list of software and information reference systems.

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 passing practical training, students can use information technologies, including computer simulations, automation tools for design and software development used in a prevention and treatment facility, Internet technologies, etc.

№	List of software and professional databases,
1.	Icat Vision – analysis of computed tomograms

2.	Airen — Students Testing Program
----	----------------------------------

№	Internet resources	Access mode
1.	Documents regulating dental activity.	http://www.gspcheb.ru/speczialistam/dokumentyi.html
2.	The official website of the Russian Dental Association	www.e-stomatology.ru/
3.	Dental portal	https://stomport.ru/
4.	Dental portal	http://www.stom.ru/
5.	DentalClub Journal	http://www.medical-cg.ru/dental_club/
6.	Electronic journal Kafedra.	http://cathedra-mag.ru/

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

The practical training takes place in orthopedic 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 an agreement with prevention and treatment facilities licensed in orthopedic dentistry and in the Accreditation and Simulation Center of the Medical Faculty of the FSBEI of HE "I.N.Ulianov Chuvash State University". Orthopedic offices where on-the-job training takes place have the necessary set of tools and materials (syringes, tweezers, mirrors, standard impression spoons, metal scissors, tilt, hammer, lead pillow, impression masses (alginate, silicone), base wax, modeling wax, sticky wax, alcohol lamp, parallelometer, medical gloves, white coats, masks, etc.), medicines, both for providing orthopedic dental care and assisting in emergency conditions, comply with sanitary and hygienic standards.

Appendix 1. Permit for a trainee passing on-the-job training

MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION
Federal State Budgetary Educational Institution
of Higher Education
"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 /print full name)

Specialist

on educational and methodical work _____ / _____

(signature /print full name)

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__ .

**General feedback from the supervisor representing the enterprise (organization)
about the work of the student passing on-the-job training
(at the end of the practice)**

The student has been passing practical training for _____ months.

The _____ amount _____ of _____ payment _____ (monthly)

Date of secondment from the place of practice _____ 20____.

Place pf stamp **Signatures**

Time of the report submission to the department

Review of the practice supervisor from the Department

Head of Practice _____ (_____)
print full 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
 Orthopedic Dentistry and Orthodontics Department

**ASSIGNMENT
 to a student-trainee**

Full name of the trainee, group

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

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;
 - introduction to the work organization in a medical and preventive facility and orthopedic department (office) in particular;
 - studying medical documentation of a surgical office of the dental polyclinic;
 - studying modern methods of clinical, laboratory and instrumental diagnostics of orthopedic dental patients, organization and implementation of rehabilitation measures in orthopedic dentistry;
 - studying the issues of safety, labor protection and fire prevention measures;
 - introduction to modern methods for treating patients with orthopedic 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 for 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

Date of issuing the assignment " ____ " _____ 20 ____

Appendix 3. Practice report. Front page

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

STUDENT'S REPORT ON ON-THE-JOB TRAINING

On-the-job training (practical training in obtaining professional skills and professional experience (in orthopedic dentistry);

for 8 semester 20.../20... academic year

Full name _____

Group __ Course 4 Department of Orthopedic Dentistry and Orthodontics

Specialty 31.05.03 Dentistry

Mode, type of practice - _____

1. Place and time frame of practical training

Practice base	Unit	Execution period

2. Student's summary report on practice (acquired knowledge, skills, practical skills):

Student's signature _____

Characteristics given by the practice supervisor (acquired knowledge, skills, practical skills, organizational abilities – implementation of competencies, labor discipline)

The student _____ based on the results of passing the practical training:

Competences	Name of learning outcomes	Development indicators		
		were mastered	were not mastered	
PC-1 - He/she is able to conduct examinations of the patient in order to make a diagnosis	PC-1.1 - He/she conducts a physical examination of the patient (taking complaints and history, inspection, palpation, percussion)	Know: - rules for history taking, questioning the patient; - registration index for various age groups; - international dental numbering system; - index assessment of oral tissues condition; - instrumental studies, their diagnostic opportunities, indicators corresponding to the norm and changes; Be able to: - conduct the patient's examination and questioning; - interpret instrumental examination methods; Master: - the skills of taking the history and methods of a patient's physical examination - assessment of oral tissues condition;		

	<p>PC-1.2 - He/she analyzes the information obtained during the physical examination, additional examination methods, formulates an initial diagnosis</p>	<p>Know:</p> <ul style="list-style-type: none"> - etiology, pathogenesis, and prevention measures of the most common diseases (syndromes); - risk factors of diseases under study; <p>Be able to:</p> <ul style="list-style-type: none"> - interpret the data of questioning, inspection of the patient, instrumental examination methods; <p>Possess: the skills of analyzing the information obtained during a physical examination to make a preliminary analysis.</p>		
	<p>PC-1.3. - He/she formulates a clinical diagnosis based on the information received.</p>	<p>Know:</p> <ul style="list-style-type: none"> - the scheme for examining a dental patient, the stages of the diagnostic process; - rules for filling out the case history; <p>Be able to:</p> <ul style="list-style-type: none"> - to carry out the main methods of patient's examination; - fill in a case history; <p>Master:</p> <ul style="list-style-type: none"> - skills of making a clinical diagnosis based on the information received. - rules for maintaining medical records. 		
<p>PC-2 - readiness to conduct preventive medical examinations, prophylactic medical screenings and follow-ups of patients with dental pathologies</p>	<p>PC-2.1 - He/she forms the goals and objectives of preventive and medical examinations, as well as screenings</p>	<p>Know:</p> <ul style="list-style-type: none"> - fundamentals of preventive medicine aimed at strengthening the health; - basic and additional examination methods necessary to assess the condition of the oral cavity and the results of treatment at the stages of observation; - the algorithm of examining patients with dental diseases; - maintenance of standard accounting and reporting medical dental documentation <p>Be able to:</p> <ul style="list-style-type: none"> - analyze and evaluate the quality of medical and dental care, the health status of the population, the impact of lifestyle factors, the environment and organization of medical care. - conduct a general clinical examination by indications <p>Master:</p> <ul style="list-style-type: none"> - skills in carrying out sanitary and educational work with the population aimed at promoting dental health, prevention of dental diseases 		
	<p>PC-2.2- He/she analyzes the information obtained during the physical examination, additional examination methods, formulates the tactics</p>	<p>Know:</p> <ul style="list-style-type: none"> - requirements and rules for obtaining informed consent for diagnostic procedures; - the complex relationship between general diseases and dental health; - rules for drawing up dispensary groups; - basic principles of medical examination of patients with dental diseases <p>Be able to:</p> <ul style="list-style-type: none"> - find out the patient's complaints, to take the history of the present illness, and the past history, to fill out a health questionnaire; to conduct a clinical examination of the patient: external inspection, oral cavity examination, dental 		

	of carrying out screenings and preventive examinations	examination - to form dispensary groups, - to justify the need for methods of prevention of dental diseases; Master: - skills of filling out accounting and reporting documentation of an orthopedic dental practitioner; - skills of obtaining informed consent; - methods of monitoring the effectiveness of screening		
PC-3 - He/she is able to develop, implement and monitor the effectiveness of individual rehabilitation programs	PC-3.1 - He/she is able to develop an individual rehabilitation program	Know: - principles of determining rehabilitation potential, rehabilitation prognosis, rehabilitation goal. Be able to: - determine the rehabilitation potential of the patient; - formulate the goal of rehabilitation; Master: - skills of determining the patient's condition on the scale of rehabilitation routing and other validated scales;		
	PC-3.2 - He/she is able to implement and monitor the effectiveness of the developed individual rehabilitation program	Know: - categories of the International Classification of Functioning. Be able to: - express the rehabilitation diagnosis and dynamics of the patient in the categories of the International Classification of Functioning. Master: - rehabilitation technologies (FC, physiotherapy, etc.)		
PC-4 - He/she is able to conduct and monitor the effectiveness of sanitary-epidemic and other preventive measures to protect public health	PC-4.1 - develop a plan of sanitary-epidemic and preventive measures to protect public health	Know: - goals and objectives of epidemiological dental examination; - epidemiological methods of examination in dentistry; - stages of epidemiological dental examination; Be able to: - assess the prevalence and intensity of caries; - determine an increase in the intensity of caries and reduction of caries; Master: methods of epidemiological examination.		
	PC-4.2 - He/she conducts and monitors the effectiveness of developed sanitary-epidemic and preventive measures to protect public health.	Know: - evaluation methods of sanitary-epidemic and preventive measures to protect public health; Be able to: - carry out and determine the effectiveness of sanitary and epidemiological measures for public health protection; Master: - skills to determine the effectiveness of the developed sanitary-epidemic and preventive measures.		
PC-5 - readiness to take the history and analyze a patient's	PC-5.1 - he/she conducts and monitors taking and analysis of a	Know: -basic and additional methods of examination of a patient with dental diseases necessary for diagnosis in accordance with the International Statistical Classification of Diseases and Health-related Problems;		

complaints, data of his medical history, examination results, results of laboratory, instrumental, pathologic-anatomical and other studies in order to recognize the condition or to establish the presence or absence of a dental disease	patient's complaints	<p>Be able to:</p> <ul style="list-style-type: none"> - to interpret the results of laboratory and instrumental study methods; <p>Master:</p> <ul style="list-style-type: none"> - the algorithm for making a detailed clinical diagnosis for patients with dental diseases; - the algorithm for performing basic medical diagnostic, instrumental examination methods; - the algorithm for performing additional medical diagnostic, instrumental examination methods 		
	<p>PC-5.2 – he/she conducts and monitors measures to provide assistance in case of emergency conditions</p>	<p>Know:</p> <ul style="list-style-type: none"> - the algorithm for diagnosing emergency conditions; <p>Be able to:</p> <ul style="list-style-type: none"> - to carry out a full range of measures in case of emergency conditions; <p>Master:</p> <ul style="list-style-type: none"> - the algorithm for providing assistance in case of emergency conditions. 		
	<p>PC-5.3 – he/she conducts and monitors basic and additional diagnostic methods for patients with dental problems</p>	<p>Know:</p> <ul style="list-style-type: none"> - classification, etiology, pathogenesis, clinical presentation, methods of making the diagnosis for patients with dental diseases of children; <p>Be able to:</p> <ul style="list-style-type: none"> - conduct basic and additional examination methods <p>Master:</p> <ul style="list-style-type: none"> - the algorithm for performing additional medical diagnostic, instrumental examination methods 		

Criteria for evaluating the practical training:

The grade "excellent" is given if the student has shown full compliance with all competencies: deep knowledge, ability and mastering the practical skills, was fluent in the material and answered questions on the practical training program for students mastering educational programs of higher education.

The grade "good" is given if the student has shown full compliance with all competencies: knowledge, ability and mastering the practical skills according to the students' practical training program.

The grade "satisfactory" is given if the student has shown compliance with all competencies, but has made some errors: knowledge, ability and mastering practical skills according to the students' practical training program.

The "unsatisfactory" rating is given if significant gaps in compliance with competencies have been identified: knowledge, ability, mastering practical skills according to the students' practical training program.

Grade _____

Head of practical training _____
(signature)

(Full name) _____

Appendix 4*Sample design of a practice diary*

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
 Orthopedic Dentistry and Orthodontics Department

Diary of

The on-the-job training (practical training in obtaining professional skills and professional experience (in orthopedic dentistry) of the

student _____
 (last name, first name, patronymic)

Faculty _____

Department _____

Group _____

Dental polyclinic _____

Time frame of passing the practical training

from " ____ " _____ 20__ 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 a practice diary

REPORT

on on-the-job training:

Name of manipulations	Number	
	The assignment was	completed
Number of days worked	12	
Consulting patients	25	
Primary	10	
Secondary	15	
Preparing teeth for crowns	10	
Taking casts with a standard spoon	20	
Determining the central occlusion in partial absence of teeth.	14	
Crown fitting	16	
Cement fixation of single crowns:		
made of metal	10	
made of plastic	10	
Combined		
Fixation of bridge restorations	12	
including crowns		
cast teeth		
teeth with facing		
Checking the designs of removable laminar dentures in partial adentia	8	
Packing and application of removable plate prostheses in partial adentia	8	
Fitting individual baseplate trays.	2	
Taking casts with an individual baseplate tray	2	
Determining the centric jaw relation	2	
Checking the designs of removable laminar dentures in complete adentia		
Fitting and applying removable laminar dentures in complete adentia	2	
Correction of prostheses	10	
Removal of single crowns and dental bridgework	8	
Consultations and advice to patients	18	
Other types of work	18	
Conducting conversations on the sanitary and educational topic	10	

Signature of the medical director _____

Signature of the head of the Department _____

Department seal

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

Sanitary and educational work

Date	Title of the lecture, conversation	Number of people present

Signature of the head of the Department _____

Signature of the assistant supervisor _____

Continuation of Appendix 4.
Sample design of a practice diary

CHARACTERISTIC

Doctor- supervisor _____

Head of the Department _____

Chief Medical Officer _____

Continuation of Appendix 4.
Sample design of a 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 _____

Safety instruction sheet

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) practical training
to

name of the practical training according to the curriculum

from

_____ 20 ____ .

to

_____ 20 ____ .

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____

Working schedule (plan) of passing the practical training

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

WORKING SCHEDULE (PLAN) OF CONDUCTING THE PRACTICAL TRAINING

(full name of the student)

Direction of training (specialty) _31.05.03 Dentistry _____

Orientation (profile, specialization) __ 31.05.03 Dentistry _____

Full time mode of study, group _____

Type of practical training- on-the-job training in obtaining professional skills and professional experience (in orthopedic dentistry)

Term of passing the practical training: from _____ 20__ to " __ " _____ 20__.

Supervisor of practical training representing the Univerisity _____

(full name, position, academic title)

Name of the relevant organization

Supervisor of practical training representing a relevant organization _____
(full name, position)

Seq. N	Time frame of conducting	Planned works
1.		Coordination meeting
2.		Safety briefing.
3.		Site tour
4.		Performing an individual assignment:
5.		Consultations
6.		Preparation and submission of the practice report

Trainee _____ / _____

Head of practical training representing the
FSBEI of HE "I. N. Ulianov
Chuvash State University» _____ / _____

Head of practical training
representing a relevant organization _____ / _____

Individual assignment (plan) of a student passing the practical training

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

INDIVIDUAL ASSIGNMENT (PLAN)

Full name of the student _____

(Direction of training, specialty) 31.05.03 Dentistry

Full time mode of study, group _____

Type of practical training on-the-job training in obtaining professional skills and professional experience (in orthopedic dentistry)

Time frame of the practical training from "___" ___ 20 to "___" «___» 20...

Name of the relevant organization _____

The purpose of the passing the practical training is to deepen theoretical training and consolidate practical skills in the discipline "Orthopedic Dentistry" directly at the workplace.

Practical training's objectives: _____

Content of the practical training (issues to be studied):

1. _____

2. _____

3. _____

Planned results:

1. _____

2. _____

3. _____

Head of practical training
representing the FSBEI of HE "I. N. Ulianov
Chuvash State University » _____ / _____

AGREED BY:

Head of practical training
representing a relevant organization _____ / _____
_____ / _____

The assignment is accepted for execution _____ 20 .

Trainee _____ (_____)

Appendix 8

To the Rector of FSBEI of HE
 "I. N. Ulianov Chuvash
 State University"
 A. Yu. Aleksandrov
 from the student of the _____ course, _____ group
 faculty _____
 of budget (contract) form of training

 (Full name)

 Phone number 8(____) _____

Application

I request to let me pass (educational, on-the-job) practice

(underline as necessary)

_____ practical training in obtaining professional skills and professional experience (in orthopedic dentistry) _____

(full name of the practical training)

_____»
 in (work plan of the practical training, individual assignment)

(underline as necessary)

at the base of _____

(full name of the organization - practice base)

from _____ 20 . to _____ 20.

I take care of all expenses related to coming to the site of passing the practical training.

_____ 20 .

(student's signature)

(print full name)

Head of the department

(signature)

(print full name)

Supervisor of practical training representing the Department _____

(signature)

(print full name)