

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Educational Institution
BELARUSIAN STATE MEDICAL UNIVERSITY

Контрольный
экземпляр



APPROVED

by Rector of the Educational Institution
«Belarusian State Medical University»

S.P.Rubnikovich

04.05.2024

Reg. No. UD-091-04-02/2324/p.

PROGRAM
OF WORK EXPERIENCE PRACTICAL TRAINING
IN MEDICAL OUTPATIENT PRACTICE (THERAPEUTIC DENTISTRY)
for the specialty
1-79 01 07 «Dentistry»

2024

COMPILERS:

L.A. Kazeko, Head of the Conservative Dentistry Department, Educational institution «Belarusian State Medical University», Ph. D., associate professor;

V.A. Andreeva, Head of the the Department of Endodontics, Educational institution «Belarusian State Medical University», Ph. D., associate professor;

O.S.Gorodetska, Associate professor of the Conservative Dentistry Department, Educational institution «Belarusian State Medical University», Ph. D., associate professor.

RECOMMENDED FOR APPROVAL:

By the Conservative Dentistry Department of the Educational Institution "Belarusian State Medical University"(protocol No. 13 of 15.04.2024);

By the Council of the faculty Dentistry of the Educational Institution "Belarusian State Medical University" (protocol No. 8 of 26.04.2024)

EXPLANATORY NOTE

The purpose of the work experience practical training «Medical outpatient (Therapeutic Dentistry)» is to consolidate and deepen the knowledge gained by students in the process of theoretical training, mastery of practical skills by students, formation of the necessary skills and competencies for subsequent independent professional activity in dentistry.

The practice program has been developed in accordance with the practice program «Medical outpatient (Therapeutic Dentistry)» approved by 06.05.2024, Registration number УД-091-07-01/2324/П.

The students' work experience practice is aimed at acquiring professional skills in the specialty, gaining practical experience, development of professional thinking, testing the capabilities of a future specialist allowing him to perform professional functions independently.

The objectives of work experience practice are the following:

acquiring and consolidating professional skills in providing dental therapeutic care to patients on an outpatient basis;

expansion and systematization of knowledge gained from studying the academic disciplines “Conservative Dentistry” and “Endodontics”;

gaining experience in public, organizational and educational work in the healthcare system.

By the end of the practice «Medical outpatient (Therapeutic Dentistry)» the student must

know:

international terminology and classification of caries, diseases of hard tissues of teeth of non-cariogenic origin, diseases of the pulp and periapical tissues of the tooth;

mechanism of development of dental caries, diseases of hard tissues of teeth of non-cariogenic origin, diseases of the pulp and periapical tissues of the tooth;

methods of clinical examination of patients with caries, diseases of hard tissues of teeth of non-cariogenic origin, diseases of the pulp and periapical tissues of the tooth;

methods for diagnosing caries, diseases of hard tissues of teeth of non-cariogenic origin, diseases of the pulp and periapical tissues of the tooth;

principles of differential diagnosis and treatment of dental caries, diseases of hard tissues of teeth of non-cariogenic origin, diseases of the pulp and periapical tissues of the tooth;

regulatory legal acts necessary for the activities of a dentist-therapist;

clinical protocols for the diagnosis and treatment of dental caries and non-cariogenic lesions;

dental instruments used in the restoration of hard dental tissues;

indications and contraindications for the use of medicines and filling materials;

methods for assessing the effectiveness of treatment and preventive measures;

medical documentation of the dental office, department, clinic;

be able to:

assess the general condition of the patient before and during diagnostic and treatment measures;

organize the workplace of a dentist-therapist, taking into account ergonomics;
 conduct a clinical examination of the patient;
 draw up a plan for examining a patient with caries, non-carious lesions of hard dental tissues, diseases of the pulp and periapical dental tissues;
 use additional research methods to clarify the diagnosis;
 interpret the results of clinical, instrumental diagnostic (radiation) research methods;
 establish the need for additional examination of the patient, consultation with a specialist;

prepare medical documentation;

master:

skills in observing medical ethical principles when communicating with patients;
 methods of prevention and elimination of conditions leading to impairment of health, aesthetics, function of teeth and tissues surrounding the tooth;
 methods of examining patients, diagnostics, differential diagnosis and treatment planning for dental caries, diseases of hard tissues of teeth of non-carious origin, diseases of the pulp and periapical tissues of the tooth;
 methods of restoration treatment;
 skills in diagnosing and providing medical care for emergency conditions in dentistry;

Totally, 108 academic hours are allocated for the work experience practice training «Medical outpatient (Therapeutic Dentistry)» during 2 weeks after graduation (or during 6 semester).

Of these, 72 classroom hours, 36 hours of independent student work.

GENERAL ISSUES OF ORGANIZATION AND QUALITY CONTROL OF THE IMPLEMENTATION OF THE PRACTICE PROGRAM

Work experience practice training is conducted in the organizations of the Ministry of Health of the Republic of Belarus, which are the bases of the practice of university students (*hereinafter* - the organization of health care).

General management of Medical outpatient department practice in healthcare organizations is carried out by the head of the healthcare organization or his deputy.

Direct supervision of students' practical training on the basis of practice is carried out by an employee of a healthcare organization from among the most qualified specialists, appointed by order of the head of the organization.

General and direct management of production practice is carried out by the practice manager from the Department of Conservative Dentistry of the university.

The Faculty of Dentistry provides scientific and methodological guidance to the practice of university students.

During practical training, students perform individual labor functions provided for by the job responsibilities of the qualification characteristics of the position of assistant of dentist-therapist of dental office of a healthcare organization.

During the period of practical training, students can be involved in the provision of medical care to patients, ensuring the sanitary and epidemiological well-being of the population under the supervision of medical workers responsible for their training.

During the period of practical training, students are subject to labor protection legislation and the internal labor regulations of the practice base, and students employed during the practical training period to work in vacant employee positions are also subject to labor legislation.

During the period of practical training, students are required to realize instructions on labor protection provided for by law, comply with labor protection legislation, internal labor regulations of the practice base, rules and norms of medical ethics and deontology, requirements for safe performance of work in the workplace, follow the orders of the head of the practice base and the supervisor practices from the organization.

Differentiated credit is accepted if the student has a diary of outpatient department practice, the report of outpatient department practice and written comment for student on the implementation of the program of practical training.

One of the stages of differentiated testing is carried out in the form of an objective structured clinical examination/objective structured examination (hereinafter referred to as OSCE/OSE).

OSCE/OSE contains a demonstration of practical skills mastered by the student using simulation learning technologies on simulation equipment of the university simulation and certification center.

OSCE/OSE is carried out according to the developed passports of examination stations.

A student who has not completed the internship program, received negative feedback on the internship from the internship supervisor from the organization and (or) received an unsatisfactory mark when passing a differentiated test, by order of the university rector again (no more than once) is sent for internship in free time from classes to complete the internship program in full.

The practice mark is taken into account when summing up the results of the intermediate certification of students.

CONTENT OF PRACTICE

Carrying out sanitary and educational work in the field of developing a healthy lifestyle for the population. Contents and forms of work of a dentist on hygienic training and education of the population. Development of an algorithm for choosing a method, form and means of organizing and conducting hygienic training and education of the population, depending on the type of target audience.

Examination of a dental patient. Collection of complaints, clarification of medical history, life history, external examination of the patient, index assessment of the condition of the oral cavity. Drawing up an individual plan for treatment and preventive measures.

Dental documentation: outpatient card of a dental patient, log of the work of a dentist, diary of treatment and preventive work, prescription forms, directions. Rules for filling them out.

Teaching patients the basics of individual oral hygiene, drawing up recommendations on diet and nutrition, and the use of preventive agents. Perform office procedures to prevent dental caries.

Conducting diagnostics and treatment of patients with dental caries, non-carious lesions of hard dental tissues, diseases of the dental pulp and periapical tissues of permanent teeth in accordance with clinical protocols.

Preparation and filling of carious cavities and non-carious lesions. Assessing the quality of restorations.

Carrying out and interpreting the results of cold, thermal tests, electroodontometry and contact dental radiography.

INFORMATIONAL AND METHODOLOGICAL PART CALENDAR AND THEME PLAN

List of performed activities	weeks/days	classroom hours
1. Carrying out sanitary and educational work (prepare a sanitary bulletin and / or brochure (motivational album))	1	5
2. Medical history and examination of the patient, index assessment of oral health condition	daily	10
3. Filling out the medical documentation of the dental patient, drawing up individual plans for treatment and preventive measures	daily	5
4. Teaching patients the basics of individual oral hygiene (individual motivation)	daily	10
5. Diagnosis and treatment of tooth carious in accordance with the clinical protocol	daily	5
6. Diagnosis and treatment of non-carious lesions in accordance with the clinical protocols	daily	5
7. Diagnosis and treatment of tooth pulp diseases in accordance with the clinical protocol	daily	5
8. Diagnosis and treatment of periapical tissues of tooth diseases in accordance with the clinical protocol	daily	5
9. Preparation of carious cavities and non-carious lesions	daily	5
10. Filling of carious cavities and non-carious lesions	daily	5
11. Evaluation of the quality of restoration	daily	5
12. Carrying out and interpreting the results of cold, heat tests and electroodontometry	daily	1
13. Interpretation of the results of contact dental radiography	daily	1
14. Drawing up individual plan of preventive and treatment measures for patient	daily	5
Total:		72

LIST OF PRACTICE SKILLS TRAINED DURING PRACTICE

Levels of mastering practical skills:

1 - know theoretically, professionally orientate, know the indications for conducting;

2 - know theoretically, evaluate, take part in the work of medical personnel;

3 - know theoretically, do it yourself.

Several levels can be assigned to practical skill (for example: 1, 2, 3, or 1, 2).

If there are no facilities (opportunities) at the healthcare institution to master the skill at levels 2, 3, the student is required to master practical skills at level 1.

№	Practical skills	Recommended	
		number	Level of mastering practical skills
1	Carrying out sanitary and educational work (prepare a sanitary bulletin and / or brochure (motivational album))	1	1,2,3
2	Medical history and examination of the patient, index assessment of oral health condition	10	1,2,3
3	Filling out the medical documentation of the dental patient, drawing up individual plans for treatment and preventive measures	10	1
4	Teaching patients the basics of individual oral hygiene (individual motivation)	10	1
5	Diagnosis and treatment of tooth carious in accordance with the clinical protocol	5	2,3
6	Diagnosis and treatment of non-carious lesions in accordance with the clinical protocols	5	2,3
7	Diagnosis and treatment of tooth pulp diseases in accordance with the clinical protocol	5	1,2
8	Diagnosis and treatment of periapical tissues of tooth diseases in accordance with the clinical protocol	5	1,2
9	Preparation of carious cavities and non-carious lesions	10	1,2,3
10	Filling of carious cavities and non-carious lesions	10	1,2,3
11	Evaluation of the quality of restoration	10	2,3
12	Carrying out and interpreting the results of cold, heat tests and electroodontometry	5	1,2,3
13	Interpretation of the results of contact dental radiography	5	1,2,3
14	Drawing up individual plan of preventive and treatment measures for patient	10	1,2

SAMPLE LIST OF PRACTICAL SKILLS INTENDED TO BE MASTERED USING SIMULATION TRAINING TECHNOLOGIES

1. Dental preparation technique.
2. Filling a carious cavity.

THEMES AND FORMS

OF THE SANITARY AND EDUCATIONAL WORK

During the course the «Medical outpatient department practice (Therapeutic Dentistry)» the student must prepare a sanitary bulletin and / or brochure (motivational album) on the proposed sanitary and educational topics among dental patients.

TOPICS OF SANITARY-EDUCATIONAL WORK

1. Risk factors in development of dental caries.
2. Risk factors in development of non-carious lesions of hard tissue of teeth.
3. Methods and tools of caries prevention.
4. Individual oral hygiene.
5. Modern methods of treatment of dental caries.
6. Prevention of oncological diseases of the oral cavity.

REQUIREMENTS FOR THE CONTENT OF REPORTING DOCUMENTS

During work experience practice the student accomplishes the practice program under the supervision of the head of the practice from the organization and reflects the progress of the work experience practice in the diary according to Appendix 1.

The title page of the diary is signed by the head of the practice of the educational institution, the head of the practice of the medical university department.

The diary is a document reflecting the implementation of the practice program. In the diary, the student indicates the acquired practical skills on a daily basis.

The diary is signed daily by the head of the practice of the educational institution and the student. Corrections, additions after the approval of the records by the head of the institution practice are not allowed.

During the last week of the practice, the student prepares a written report on the implementation of the work experience practice program. In the report the student indicates the acquired practical skills, their number and level of mastering according to Appendix 2.

The report must be signed by the student, the head of the practice of the educational institution, approved by the Head (Deputy Head) of the practice base and stamped.

At the end of the work experience practice, the head of the practice of the educational institution

draws up a written review of the student's progress according to Appendix 3.

The written review of the student's work experience practice is signed by the head of the practice of the educational institution.

The review reflects:

- professional qualities of the student-intern, his ability to acquire professional and practical skills;
- presence and development of the required personal qualities (communicative, moral, professional);
- compliance with occupational discipline, labor protection requirements, sanitary norms and rules;
- general assessment of the accomplishment of work experience practice program and the achieved level of practical training;
- relationships with the team members, knowledge and compliance with the norms of medical ethics and deontology.

By the end of the work experience practice, the student submits the accounting documents and other papers required by the practice program to the head of the practice of the medical university department.

The diary and the student's accounting documents are executed on A4 paper using the MS Word application.

The accounting documents are kept at the medical university in accordance with the procedure determined by the legislation in the field of archive and record keeping.

QUESTIONS FOR PREPARATION TO DIFFERENTIATED CREDIT

1. Medical ethics and deontology in therapeutic dentistry.
2. Requirements for organizing a dental appointment. Principles and requirements of ergonomics in a therapeutic dentistry clinic.
3. Preparation for sterilization and sterilization of dental instruments.
4. Diagnostic methods in therapeutic dentistry.
5. Plan of examination of primary dental patient.
6. Dental outpatient department card. Registration and reporting dental documentation. Rules of filling in.
7. Index assessment of the dental status.
8. Dental caries. Development mechanism, epidemiology.
9. Definition of dental caries. Caries classifications: international (WHO,1997), Black classification etc.
10. Risk factors of dental caries. Caries resistance and caries susceptibility.
11. Modern concept of development of dental caries.
12. Enamel caries (white spot lesion). Clinic, diagnostic, differential diagnosis.
13. Enamel caries (superficial caries). Clinic, diagnostic, differential diagnosis.
14. Differential diagnosis of caries of enamel.
15. Enamel caries. Treatment.
16. Dentine caries. Clinic, diagnostic methods.
17. Differential diagnosis of caries of a dentine.
18. Dentine caries. Treatment methods.
19. Choice indications of sealing materials when sealing carious cavities of various localizations.
20. Prophylaxis of caries of teeth of adults.
21. Minimal invasive methods of treatment of dental caries.

Indications and contraindications. Carrying out technique.

22. The main stages of work with adhesive systems.
23. Rationale for the choice of restorative filling materials in various clinical situations.
24. Criteria of an assessment of quality of seals.
25. Objectives of modern endodontic treatment.
26. Mechanism of development, classification of diseases of the pulp and periapical tissues of the tooth.
27. Basic and additional methods for diagnosing diseases of the pulp and periapical tissues of the tooth.
28. Radiation diagnostic methods in endodontics.
29. Pulp hyperemia. Clinical manifestations, diagnosis, differential diagnosis.
30. Acute pulpitis, purulent pulpitis. Clinical manifestations, diagnosis, differential diagnosis.
31. Chronic pulpitis. Clinical manifestations, diagnosis, differential diagnosis.
32. Chronic ulcerative pulpitis. Clinical manifestations, diagnosis, differential diagnosis.
33. Chronic hyperplastic pulpitis. Clinical manifestations, diagnosis, differential diagnosis.
34. Pulp necrosis. Clinical manifestations, diagnosis, differential diagnosis.
35. Pulp degeneration. Clinical manifestations, diagnosis, differential diagnosis.
36. Acute apical periodontitis. Clinical manifestations, diagnosis, differential diagnosis.
37. Chronic apical periodontitis. Clinical manifestations, diagnosis, differential diagnosis.
38. Periapical abscess without fistula. Clinical manifestations, diagnosis, differential diagnosis.
39. Periapical abscess with fistula. Clinical manifestations, diagnosis, differential diagnosis.
40. Planning the treatment of diseases of the pulp and periapical tissues.

Appendix 1.

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational institution

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

NAME OF THE HEALTH CARE INSTITUTION

**DIARY
IN WORK EXPERIENCE PRACTICE TRAINING
«MEDICAL OUTPATIENT (THERAPEUTIC DENTISTRY)»**

full name of the student

Faculty

Dentistry

Year

3

Academic group No

Base of practice

(the healthcare institution name)

Immediate supervisor in the health of the organization
_____ (Full name)

Supervisor from BSMU _____ (Full name)

Day 1. Date _____ Time _____

Contents of the work performed	number (in day)	level of mastering practical skills

Additional:		
Date	Forms and types of work	Total
<i>Date of patients visit</i>	<p><i>All clinical procedures performed by the student are completed according to the proposed plan.</i></p> <ol style="list-style-type: none"> <i>1. Full name of patient, his age.</i> <i>2. Patients complaints.</i> <i>3. Clinical examination data (with index examination methods (DMFT, OHI-S)).</i> <i>4. Clinical features of disease (St. loc.).</i> <i>5. Diagnosis of the disease according to the Classification ICD -10.</i> <i>6. Treatment.</i> <i>7. Dental education indicating the methods and means used to motivate and teach the patient's individual oral hygiene.</i> 	<p><i>Only the types of work performed by the student are listed, indicating the form of participation (observed / assisted, performed independently). The student's own assessment of the current result (level) of practical training is desirable.</i></p>

Name of student

Direct supervisor in the health of the organization

Appendix 2.

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational institution

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

NAME OF THE HEALTH CARE INSTITUTION

APPROVED by

The Head

of the practice base/

Chief Physician (Director)

(full name)

_____ 202__

REPORT

on the implementation of work experience practice (name) program

Student _____

Specialty _____

Faculty _____

Year of study, group No _____

Period of practice _____

№	Practical skills	The standard		Done	
		number	level of mastering practical skills	number	level of mastering practical skills
1	Carrying out sanitary and educational work (prepare a sanitary bulletin and / or brochure (motivational album))	1	1,2,3		
2	Medical history and examination of the patient, index assessment of oral health condition	10	1,2,3		
3	Filling out the medical documentation of the dental patient, drawing up individual plans for treatment and preventive measures	10	1		
4	Teaching patients the basics of individual oral hygiene (individual motivation)	10	1		
5	Diagnosis and treatment of tooth carious in accordance with the clinical protocol	5	2,3		
6	Diagnosis and treatment of non-carious lesions in accordance with the clinical protocols	5	2,3		
7	Diagnosis and treatment of tooth pulp diseases in accordance with the clinical protocol	5	1,2		
8	Diagnosis and treatment of periapical tissues of tooth diseases in accordance with the clinical protocol	5	1,2		
9	Preparation of carious cavities and non-carious lesions	10	1,2,3		

10	Filling of carious cavities and non-carious lesions	10	1,2,3		
11	Evaluation of the quality of restoration	10	2,3		
12	Carrying out and interpreting the results of cold, heat tests and electroodontometry	5	2,3		
13	Interpretation of the results of contact dental radiography	5	1,2,3		
14	Drawing up individual plan of preventive and treatment measures for patient	10	1,2		

Name of student _____

Immediate supervisor in the health of the organization

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

NAME OF THE HEALTH CARE INSTITUTION

REVIEW

on work experience practice (*name*)

student's name, surname

The review reflects professional qualities of the student-intern, his ability to acquire professional skills, discloses the results of the personal and professional qualities development, assesses the results of the work experience program and the obtained level of practical training. The relationship with the team members, knowledge and compliance with the norms of medical ethics and deontology are also noted. In conclusion, recommendations are given on the admission of the student to the graded credit in work experience practice, suggestions to the university on the improvement of theoretical training preceding the student's work experience practice are provided.

Head of the practice of the educational institution

_____ *full name*, _____
 _____ 202____

I am familiar with the review of the practice _____ *full name*

COMPLIERS:

Head of the Department of Conservative Educational institution «Belarusian State Medical University», Ph. D., associate professor



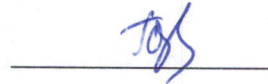
L.A. Kazeko

Head of the Department of Endodontics, Educational institution «Belarusian State Medical University», Ph. D., associate professor



V.A. Andreeva

Associate professor of the Department of Conservative Dentistry Educational institution «Belarusian State Medical University», Ph. D., associate professor



O.S. Gorodetska

Registration of the program of medical polyclinic industrial practice in therapeutic dentistry and accompanying documents meets the established requirements

The Dean of the Medical Faculty for International Students Educational institution «Belarusian State Medical University»

30.04.2024



O. S. Ishutin

The Head of Practical Training Educational institution «Belarusian State Medical University»

30.04.2024



N.A. Medved

Methodologist of Educational institution «Belarusian State Medical University»

30.04.2024



S.A. Yankovich