

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

APPROVED

by Rector of the Educational Institution
«Belarusian State Medical University»
S.P.Rubnikovich



31.05.2022
Reg. No. UD-179-1-7-2-1/2122 /p.

Контрольный
экземпляр

PROGRAM
OF WORK EXPERIENCE PRACTICAL TRAINING

IN NURSING PRACTICE

for the specialty
1-79 01 07 «Dentistry»

The program of the practice is based on the educational standard of higher education in the specialty 1-79 01 07 «Dentistry», approved and enforced by the resolution of the Ministry of Education of the Republic of Belarus of 26.01.2022 No. 14; and on the curriculum of the institution of higher education in the specialty 1-79 01 07 «Dentistry», approved by 19.05.2021, registration No. L 79-1-7/2122/mf

COMPILERS:

O.G.Malkovets, Associate Professor of the Department of General Dentistry of the Educational Institution «Belarusian State Medical University», Candidate of Medical Sciences; Associate Professor;

G.G.Sakhar, Assistant of the Department of General Dentistry of the Educational Institution «Belarusian State Medical University»

RECOMMENDED FOR APPROVAL:

By the Department of General Dentistry, Educational Institution «Belarusian State Medical University»
(protocol No 12 of 26.04.2022)

By the Council of the Medical Faculty for International Students of the of the Educational Institution «Belarusian State Medical University»
(protocol No. 8 dated 31.05.2022)

EXPLANATORY NOTE

The purpose of the work experience industrial nursing practice is to provide for students' mastering practical skills and competences and to prepare them for independent professional activity in the field of the specialty.

The tasks of students' work experience industrial nursing practice include: acquisition by students of professional skills in the specialty, consolidation, expansion and systematization of knowledge obtained during the study of academic discipline «General Dentistry»; gaining experience in public, organizational and educational work in the healthcare system.

Upon completion of the work experience practical training industrial nursing practice, the student must

know:

- basic concepts of the Law of the Republic of Belarus "On Healthcare";
- normative legal acts of the Ministry of Health of the Republic of Belarus, orders,
- instructions regulating the sanitary and anti-epidemic regime in a health care institution;
- the role, tasks of the nurse in providing dental care to the population; rules for registration of medical documents at a dental appointment in a hospital;
- aseptic and antiseptic in the provision of dental care; types of sterilization of medical instruments;
- safe working conditions at the dental reception and measures for the prevention and infection of the hepatitis virus, human immunodeficiency virus (HIV);
- equipment and technical bases of operation of medical equipment in dental office;

be able to:

- organize measures to ensure the sanitary and anti-epidemic regime and safe working conditions at the dental reception;
- competently and correctly draw up, register medical documents at a dental appointment;
- carry out pre-sterilization treatment and sterilization of dental medical instruments with an assessment of its effectiveness;
- prepare and sterilize dressings; prepare for use the main and auxiliary dental materials;

possess:

- methods of preparation and sterilization of dressing materials;
- technique of preparation for the use of basic and auxiliary dental materials.

Totally, the work experience practical training industrial nursing practice accounts for 108 academic hours during 2 weeks at the end of 4th semester.

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

Certification is carried out on the last day of practical training in the form of a graded credit, for which the student submits a diary, a report on workplace practice and a performance report.

Students undergo practical training in organizations of the Ministry of Health of the Republic of Belarus, which are the bases for practical training of University students (hereinafter referred to as healthcare institutions).

General and direct management of the practice is carried out in healthcare organizations.

The general supervision of practical training in healthcare institutions is carried out by the head of the healthcare institution or his deputy.

Direct guidance of practical training in the healthcare institution is carried out by an employee of the healthcare institution from among the most qualified specialists appointed by the order of the head of the organization.

General management of practical training is carried out by the head of the University practice, scientific and methodological guidance is provided by the head of the practical training at the department of General Dentistry.

CONTENT OF PRACTICE

When undergoing industrial nursing practice, students study the regime in a health care institution in a dental office; the role, tasks of the nurse in providing dental care to the population; rules for registration of medical documents at a dental appointment in a hospital; aseptic and antiseptic in the provision of dental care; types of sterilization of medical instruments; safe working conditions at the dental reception and measures for the prevention and infection of the hepatitis virus, human immunodeficiency virus (HIV); equipment and technical basics of operation of medical equipment I dental office.

When passing the production nursing practice, students learn to carry out measures to ensure a sanitary and anti-epidemic regime and safe working conditions at a dental appointment; competently and correctly draw up, register medical documents at a dental appointment; carry out pre-sterilization treatment and sterilization of dental instruments with an assessment of its effectiveness; carry out training, sterilization of dressings; prepare for use in the diagnosis and treatment of basic and auxiliary dental materials. When passing the production nursing practice in general dentistry, students master the skills of pre-sterilization treatment and sterilization of dental medical instruments with an assessment of its effectiveness by methods of preparing and sterilizing dressing materials; methods and techniques of preparation for the use of basic and auxiliary dental materials.

FORMS OF PRACTICAL TRAINING

- Production nursing practice is carried out in the following forms:
- observation of therapeutic manipulations by a dentist;
 - assistance to the dentist during the manipulations; Independent implementation of therapeutic and preventive measures;
 - carrying out sanitary and educational work

REGULATORY FRAMEWORK ACTIVITIES OF A HEALTHCARE INSTITUTION

Regulatory legal, organizational and administrative documents (orders, instructions, guidelines, etc.) of the Ministry of Health of the Republic of Belarus, regulating the work of out-patient clinics, in-patient hospital departments.

Job descriptions. Norms of medical ethics and deontology.

Medical documents. Submission requirements.

Organization of work, work records and forms of periodic state statistical reporting.

LIST OF PRACTICAL SKILLS TO BE CONSOLIDATED DURING PRACTICAL TRAINING AND THE LEVELS OF THEIR DEVELOPMENT

Levels of mastery of practical skills:

1 - to know theoretically, professionally navigate, know the indications for conduct;

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

3 - to know theoretically, to perform independently. A practical skill can be assigned several levels (for example: 1, 2, 3, or 1, 2). If there are no conditions in the health care organization to master the skill at levels 2, 3, the student must master the practical skills, according to level 1

№	Practical skills	Recomended	
		Total	Level Development
	Sanitary-anti-epidemic, total	120	2
1.	Organization of the dentist's workplace	10	3
2.	Preparation of dressings for sterilization	10	2
3.	Sterilization of dressing material	10	2
4.	Pre-sterilization treatment of dental instrument kits	50	3
5.	Dry-fire sterilization	10	2
6.	Evaluation of sterilization efficacy (azopyramic test)	10	2

7.	Handpiece machining	10	3
8.	Carpular syringe processing	10	3
	Therapeutic and diagnostic, total	226	2
9.	Reception, registration of patients	50	2
10.	Completing the outpatient observation card	30	2
11.	Completion of the temporary incapacity for work certificate	10	1
12.	Participation in the examination of patients	50	2
13.	Preparation of alginate hydrocolloids	5	2
14.	Preparation of anhydrous elastomers	3	2
15.	Preparation of hard crystalline (gypsum, ZOE)	3	2
16.	Preparation of materials for temporary fixation of fixable structures	5	2
17.	Preparation of production of plaster models from impressions	5	2
18.	Preparation of materials for temporary filling of carious cavities	5	2
19.	Preparation of materials for medical pads	10	2
20.	Preparation of materials for insulating gaskets (ZnPC)	10	2
21.	Preparation of materials for insulating pads (GIC)	10	2
22.	Preparation of materials for filling root canals	10	2
23.	Preparation of materials for permanent fillings: - GIC	10	2
24.	Preparation of composite materials	10	2
	Preventive methods, total	40	2
25	Sanitary and educational conversation (individually)	10	2
26.	Training in individual oral hygiene	30	3

THEMES AND FORMS OF SANITARY AND EDUCATIONAL WORK

During the passage of industrial nursing practice in General dentistry, the student must conduct sanitary and educational work.

Sample topics of individual sanitary and educational conversations:

- A beautiful smile is the key to success
- Individual oral hygiene. Methods and means.
- Standard method of brushing teeth
- Toothbrushes and toothpastes
- Additional oral hygiene products

Sample topics for the preparation of health bulletins

- A healthy lifestyle is the key to general somatic health.
- The effect of alcohol on health.
- Drugs and drug addiction.
- Danger and prevention of HIV infection.
- Modern methods of asepsis and antisepsis in dentistry.

INFORMATION AND METHODOLOGICAL PART

CALENDAR AND THEMATIC PLAN FOR PRACTICAL TRAINING

Practice section: title of works	Amount		
	Weeks/days	Classroom hours	Total
Sanitary-anti-epidemic, total	2	16	20
Organization of the dentist's workplace	1	8	10
Preparation of dressings for sterilization			
Sterilization of dressing material	1	8	10
Pre-sterilization treatment of dental instrument kits			
Dry-fire sterilization			
Evaluation of sterilization efficacy (azopyramic test)			
Handpiece machining			
Carpular syringe processing			
Therapeutic and diagnostic, total	7	49	78
Reception, registration of patients	1	7	12
Completing the outpatient observation			
Completion of the temporary incapacity for work certificate			
Participation in the examination of	1	7	12
Preparation of alginate hydrocolloids			
Preparation of anhydrous elastomers	1	7	12
Preparation of hard crystalline (gypsum, ZOE)			
Preparation of materials for temporary fixation of fixable structures			
Preparation of production of plaster models from impressions	1	7	12
Preparation of materials for temporary filling of carious cavities			

Preparation of materials for medical pads	1	7	10
Preparation of materials for insulating gaskets (ZnPC)			
Preparation of materials for insulating pads (GIC)	1	7	10
Preparation of materials for filling root canals			
Preparation of materials for permanent fillings: - GIC	1	7	10
Preparation of composite materials			
Preventive methods, total	1	7	10
Sanitary and educational conversation (individually)	1	7	10
Обучение индивидуальной гигиене полости рта			
Total:	2/10	72	108

REQUIREMENTS FOR CONTENT, DESIGN, STUDENT'S ACCOUNTING DOCUMENTATION ON PRACTICAL TRAINING

During the internship, the student, under the supervision of the immediate head of the practice from the health care organization, performs the internship program and fills out the following documents:

- diary of the work experience practical training (Appendix 1),
- report on the work experience practical training (Annex 2),
- represents a characteristic per student (Appendix 3).

The title page of the diary and the report are signed by the general head of the practice from the healthcare institution, the head of the practice from the department, approved by the head doctor and certified by the seal of the healthcare institution. Student performance reports are signed by the direct head of the practice from the healthcare institution, approved by the head doctor and certified with the seal of the healthcare institution. The diary is a paper documenting the implementation of the workplace practical training program. In the diary, the student notes daily the acquired practical skills, their number and level of development.

The diary is signed (with full name) by the direct head of the practice from the healthcare institution and the student. Corrections and additions after the direct supervisor of the practice has seen the records are not allowed.

During the last week of the work experience practical training, the student makes a report on the work experience practical training. The report should contain a list of practical skills acquired during practical training. The report indicates the total number of completed skills during the entire period of practice based on the diary. The report

should indicate all the mastered skill levels (for example: 1, 2, or 2, 3). The report is signed by the student.

The student performance report is filled out by the direct head of the practice from the health care institution, approved by the head of the health care institution and certified by the seal of the health care institution. The characteristic notes:

- a) the business qualities of the student-intern, his ability to acquire professional skills, mastering practical skills;
- b) the presence and results of the development of personal qualities (communicative, moral, volitional) necessary for the profession;
- c) compliance with labor discipline, labor protection requirements, sanitary norms and rules;
- d) general assessment of the results of the practical training program implementation and the achieved level of practical training;
- e) relationships with the team, knowledge and compliance with the norms of medical ethics and deontology.

The diary, report, and student performance record should be carried out on A4 paper using the MS Word application.

QUESTIONS TO PREPARE FOR THE GRADED CREDIT

1. Aseptic and antiseptic.
2. How are high-temperature dental products disinfected.
3. What is used in disinfection by chemical method.
4. How is pre-sterilization treatment of medical devices used in dentistry carried out.
5. What is used to conduct PSO.
6. How and who conducts the control of the PSO.
7. How is the quality of PSO assessed.
8. What does the azopyramic test reveal.
9. The purpose of sterilization of medical devices in dentistry.
10. What is sterilization.
11. What are the factors that determine the effectiveness of sterilization.
12. How is the steam sterilization method performed.
13. How is air sterilization performed.
14. How is sterilization with solutions of chemical agents carried out.
15. Glasperlene sterilizers.
16. Gas method of sterilization.
17. How are mirrors processed.
18. How are dental nibs treated.
19. How is the carpul syringe treated.
20. How are small dental instruments sterilized.
21. List the methods of quality control of sterilization.
22. Chemical method of quality control of sterilization.
23. Physical method of quality control of sterilization.
24. Biological method of quality control of sterilization.
25. Operation and maintenance of dental units.

METHODOLOGICAL INSTRUCTIONS FOR PRACTICE SUPERVISORS AND STUDENTS

The Head of a healthcare organization:

signs agreements with the University on the organization of the students' work experience practical training, issues an Order on the enrollment of students for work experience practice in accordance with the agreements on the students' work experience practical training, on the appointment of general and direct supervisors of the students' work experience practical training in the organization and sends the Order under the name of the Rector to the address of the University (electronic version is allowed);

The General Practice Supervisor in a healthcare organization:

assigns the students to the departments of a healthcare organization;
organizes the instruction of students on occupational health and safety and occupational hygiene;
interacts with the heads of the practice from the departments on the implementation of the work experience practical training by students;
involves the students in activities specified by the program of work experience practical training;
provides the students with the necessary conditions to complete the work experience practical training program;
controls the labor discipline of the students.

The Direct Practice Supervisor in a health organization:

together with the head of the group, draws up a schedule for the students' practical training and submits it for approval to the head of the health organization;
designs the students to workplaces in accordance with the schedule of the practical training;
conducts instruction on occupational safety, hygiene, fire safety in the healthcare institution and at the workplace;
introduces the students to the organization of work at the workplace; provides the students with assistance in mastering practical skills, in consolidating theoretical knowledge, professional skills of each stage of the practical training;
identifies and promptly eliminates drawbacks in the course of the practical training, and, if necessary, reports them to the head of the University practice and the administration of the healthcare institution;
at the end of the workplace practical training, he prepares the performance report for the student.

The Direct Supervisor from the department:

interacts with the general supervisor of practice in a healthcare institution on the implementation of the work experience practical training program by the students;
provides scientific and methodological assistance to the students during the work experience practical training;
daily monitors the labor discipline of the students;

organizes the process of preparation and taking an objective structured differential credit at the base of the simulation and certification center of the University.

The Monitor of the group:

participates in the preparation of the schedule of practical training in the healthcare organization, brings it to students' notice;

monitors the labor discipline in the group, promptly informs the heads of the practical training from the department about violations by the students of the work regulations of the health organization;

upon completion of practical training, arranges signing of the students' reporting documents (diary, report, student performance report) by the head of the healthcare institution and certifying them with the seal of the organization.

In order to complete the work experience practical training, a student must:

get acquainted with the program of the work experience practical training on the website;

attend a course meeting on organizational and methodological issues, instruction on occupational health and safety, and occupational hygiene for work experience practical training;

strictly follow the internal working regulations of the healthcare institution, follow the basics of deontology;

receive instructions on occupational health and safety, fire safety, occupational hygiene in the organization and comply with them;

record the main points of his introductory and practical activities in various departments of the healthcare institution, indicating during which procedures, diagnostic tests or other manipulations he was present, what he performed independently under the guidance of health care professionals;

fulfill the program of work experience practical training, prepare the documents of the standard form: (diary of the practical training, report on the practical training), get a student performance report.

Appendix 1
to the work experience training
curriculum

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Educational Institution
«BELARUSIAN STATE MEDICAL UNIVERSITY»
Healthcare Institution
TITLE

APPROVED by
Head Doctor
Full name

_____ 202_____

STAMP

DIARY

work experience practical training in nursing practice

(Last name, first name, patronymic)

Faculty

Year

Student group No.

Healthcare

institution

(practice base)

(name of the healthcare institution)

Head of Practical Training from
the healthcare institution _____

(signature) (Full name)

Head of Practical Training from the
department of *(specify the department)*

(signature) (name)

20 _____

Day 1. Date _____ Time _____

№	Practical skills	Recommended	
		Number	Development Level
	Sanitary-anti-epidemic, total	120	2
1.	Organization of the dentist's workplace	10	3
2.	Preparation of dressings for sterilization	10	2
3.	Sterilization of dressing material	10	2
4.	Pre-sterilization treatment of dental instrument kits	50	3
5.	Dry-heat sterilization	10	2
6.	Evaluation of sterilization efficacy (azopyramic test)	10	2
7.	Tip machining	10	3
8.	Carpular syringe processing	10	3
	Therapeutic and diagnostic, total	226	2
9	Reception, registration of patients	50	2
10	Completing the outpatient observation card	30	2
11	Completion of the temporary incapacity for work certificate	10	1
12	Participation in the examination of patients	50	2
13	Preparation of alginate hydrocolloids	5	2
14	Preparation of anhydrous elastomers	3	2
15	Preparation of hard crystalline (gypsum, ZOE)	3	2
16	Preparation of materials for temporary fixation of fixable structures	5	2
17	Preparation of production of plaster models from impressions	5	2
18	Preparation of materials for temporary filling of carious cavities	5	2
19	Preparation of materials for medical pads	10	2
20	Preparation of materials for insulating gaskets (ZnPhC)	10	2
21	Preparation of materials for insulating pads (GIC)	10	2
22	Preparation of materials for filling root canals	10	2
23	Preparation of materials for permanent fillings: - GIC	10	2
24	Preparation of composite materials	10	2
	Preventive methods, total	40	2
25	Sanitary and educational conversation (individually)	10	2

26	Training in individual oral hygiene	30	3
----	-------------------------------------	----	---

Student _____
(signature)

Immediate supervisor
practices from HO _____
(signature)

Additional work

Only additional types of work performed by the student are listed, indicating the degree of participation: epicrises, justification of the diagnosis, conducting health education conversations with patients, calculations, reference tables, etc.

Appendix 2
to the production practice program

MINISTRY OF HEALTHCARE OF THE REPUBLIC OF BELARUS

healthcare organisation

«NAME»

APPROVE

Chief Phvsician

_____ 202__ N.Sn. Surname

S.

Student report _____

(FULL NAME)

on production (name) practice in

(name of the health care institution in accordance with the state register)

in the period from 20__ to 20__

№	Practical skills	Recommended		Mastered	
		number of hours	level of mastering	number of hours (total)	level of mastering
1.	Organization of the dentist's workplace	10	3		
2.	Preparation of dressings for sterilization	10	2		
3.	Sterilization of dressing material	10	2		
4.	Pre-sterilization treatment of dental instrument kits	50	3		
5.	Dry-heat sterilization	10	2		
6.	Evaluation of sterilization efficacy (azopyramic test)	10	2		
7.	Tip machining	10	3		
8.	Carpular syringe processing	10	3		
9.	Reception, registration of patients	50	2		
10.	Completing the outpatient observation card	30	2		
11.	Completion of the temporary incapacity for work certificate	10	1		
12.	Participation in the examination of patients	50	2		
13.	Preparation of alginate hydrocolloids	5	2		
14.	Preparation of anhydrous elastomers	3	2		

15.	Preparation of hard crystalline (gypsum, ZOE)	3	2		
16.	Preparation of materials for temporary fixation of fixable structures	5	2		
17.	Preparation of production of plaster models from impressions	5	2		
18.	Preparation of materials for temporary filling of carious cavities	5	2		
19.	Preparation of materials for medical pads	10	2		
20.	Preparation of materials for insulating gaskets (ZnPhC)	10	2		
21.	Preparation of materials for insulating pads (GIC)	10	2		
22.	Preparation of materials for filling root canals	10	2		
23.	Preparation of materials for permanent fillings: - GIC	10	2		
24.	Preparation of composite materials	10	2		

Student

_____ (signature) Full name

General
Practice Supervisor from the Healthcare
Institution

_____ (signature) Full name

Appendix 3
to the work experience practical
training program

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Healthcare Institution
TITLE

APPROVED BY
Head Doctor
Full name
_____ 202_____

PERFORMANCE REPORT

of the student _____
(*Last name, first name, patronymic*)

The report should reflect the professional qualities of the student-trainee as well as the ability to acquire professional skills. Indicate the presence and results of the development of personal qualities necessary for the profession. Give a general assessment of the results of the completion of the practical training program and the achieved level of practical training. Characterize the relationships with the team, knowledge and compliance with the norms of medical ethics and deontology. In conclusion, recommendations should be given on the eligibility of the student for the interim assessment in work experience practice, and proposals to University should be made as to the improvement of the quality of theoretical training preceding the student's referral to practice.

Direct Practice Supervisor from the Healthcare
Institution
Full name

_____ 202_____

I am familiar with the report

_____ Full name
_____ 202_____

COMPILERS:

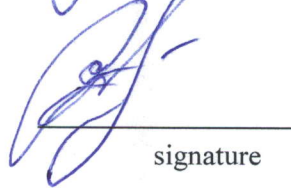
Associate Professor of the
Department of General Dentistry of
the Belarusian State Medical
University, Candidate of Medical
Sciences



 signature

O.G.Malkovets

Assistant of the Department of
General Dentistry of the Belarusian
State Medical University



 signature

G.G.Sahar

Registration of the training program and accompanying documents meets the
established requirements

Dean of the Medical Faculty for
International Students of the
Educational Institution «Belarusian
State Medical University», Associate
Professor

31 05 2022



O.I.Ishutin

Head of Practice of the Educational
Institution «Belarusian State Medical
University»

31 05 2022



N.A.Medved

Methodologist of the educational
institution «Belarusian State
Medical University»

31 05 2022



O.R.Romanovskaya

Information about the authors (developers) of the practice program

Surname, patronymic	name,	Malkovets Olga Grigorevna
Position, degree, academic title	academic	Associate Professor, PhD, Associate Professor of the Department of General Dentistry
☎ official		80173385092
Fax:		80173385091
<i>E-mail:</i>		olyamalek@gmail.com
Surname, patronymic	name,	Sakhar Galina Gennadievna
Position, degree, academic title	academic	Assistant of the Department of General Dentistry
☎ official		80173385092