

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

**Контрольный
экземпляр**

APPROVED BY

First Vice-Rector, Professor

I.N. Moroz
Reg. No UD-*19-1-2/2223/mf* /p.



PROGRAM

PRACTICAL SESSIONS IN MEDICAL CARE

**for the specialty:
1-79 01 01 «General medicine»**

The program of the practice is based on the educational standard of higher education in the specialty 1-79 01 01 «General Medicine», 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 01 «General Medicine», approved by 18.05 2022, registration No. L 79-1-1/2223/mf

COMPILERS:

N.P.Mitkovskaya, Head of the Department of Cardiology and Internal Diseases of the educational institution «Belarusian State Medical University», PhD, Professor

S.E.Aliakseychik, Head of the 1st Department of Internal Diseases of the educational institution «Belarusian State Medical University», PhD, Associate Professor;

Y.Y.Pankratova, Associate Professor of the 1st Department of Internal Diseases of the educational institution «Belarusian State Medical University», PhD, Associate Professor;

E.M.Balysh, Associate Professor of the Department of Cardiology and Internal Diseases of the educational institution «Belarusian State Medical University», PhD, Associate Professor;

E.V.Moklaya, Assistant of the Department of Cardiology and Internal Diseases of the educational institution «Belarusian State Medical University».

RECOMMENDED FOR APPROVAL:

by the 1st Department of Internal Diseases of the educational institution «Belarusian State Medical University»
(protocol No 12 of 13.06.2022);

by the Department of Cardiology and Internal Diseases of the educational institution «Belarusian State Medical University»
(protocol No 11 of 13.06.2022);

by the Scientific and Methodological Council of the educational institution «Belarusian State Medical University»
(protocol No 6 of 24.06.2022)

EXPLANATORY NOTE

The purpose of the practical session in medical care is to provide for students' consolidation of the acquired knowledge and development of skills and competences that make up the content of professional activity in the future.

The objective of the practical session in medical care is the formation of student's practical skills and primary skills in the specialty.

Upon completion of the practical session in medical care, the student must

know:

- orders, instructions regulating sanitary and anti-epidemic conditions in the healthcare institution;
- rules of medical documents execution at consulting hours, in a hospital;
- methods and techniques of performing non-invasive procedures;
- rules of preparing patients for laboratory and instrumental methods of examination;
- types and methods of medical devices disinfection;
- types and brief characteristics of chemical disinfectants, rules for their use;
- requirements for organization of safe working conditions for medical workers;

be able to:

- provide air, temperature conditions as well as comfortable conditions for patients in the hospital in accordance with hygiene requirements;
- prepare disinfectants and carry out all types of sanitization of treatment and diagnostic rooms, care items;
- perform hand sanitization and use hand protection
- perform hygienic patient care, helping the patient with meals;
- assist medical personnel in transporting patients in a wheelchair and on a stretcher;
- organize the implementation of measures to ensure the sanitary and anti-epidemic regime in the hospital;
- perform full and partial sanitary treatment of patients;
- change underwear and bedding;
- perform anthropometric measurements of admitted patients;
- register data in medical records;
- prepare the patient for laboratory and instrumental research methods;
- collect and transport biological materials (sputum, urine, feces, etc.) for the laboratory testing.
- **master:**
- the technique of hygiene procedures, partial and full sanitary treatment of the patient;
- the technique of non-invasive nursing medical manipulations;
- the technique of collecting biological material for laboratory research methods;
- the technique for measuring blood pressure, body temperature, taking pulse

rate and measuring respiratory rate;
the technique of anthropometric measurements.

Total number of hours for the study of the discipline is 108 academic hours. Classroom hours according to the types of studies: laboratory classes (practical classes - 52 hours, supervised student independent work - 8 hours, student independent work (self-study) - 48 hours.

Current assessment is carried out in the form of a graded credit, for which the student submits a Practical Session Report.

Students undergo their practical session in the classrooms of the department of cardiology and internal diseases, at the organizations of the Ministry of Health of the Republic of Belarus, which are the bases for practical training of University .

The practical session is combined with the educational process.

General supervision of the practical session is carried out by the Head of University Practical Training, while the head of practical training from the department is in charge of direct supervision.

Scientific and methodological supervision of practical session is carried out by the departments of the University, which are in charge of the organization of the practical session.

CONTENT OF PRACTICAL SESSION

In the process of practical session in medical care, students get acquainted with the objects of their future professional activity, prepare for the conscious study of academic disciplines, study the work of a multidisciplinary inpatient medical institution, master and consolidate primary skills in patient care and first aid.

Directions of students activities during the practical session:

1. Selfstudy of theoretical material.

1.1. Normative legal documentation regulating the work of multidisciplinary inpatient medical institutions. Content of the material for study.

1.2. Types, forms and conditions of medical care. The main types of healthcare organizations in accordance with the nomenclature.

1.3. Ethics and deontology in the professional activity of medical workers. Moral and legal responsibility of medical workers.

2. Equipment

2.1. Organization of safe working conditions for medical workers: personal hygiene, rules for wearing overalls, hand hygiene, hygienic requirements for shoes.

2.2. Rules for working with disinfectants, prevention of side effects of chemicals, prevention of occupational dermatitis.

2.3. Rules of asepsis and antiseptics, methods of treatment and protection of hands of medical personnel, sanitary and antiepidemic regime.

2.4. Fire safety rules.

3. Professional techniques

3.1. Familiarization with the structure and organization of the work of the medical department of the health organization. Carrying out sanitary and anti-epidemic measures for the prevention of infectious diseases associated with the provision of medical care in hospital healthcare organizations.

3.2. Wet cleaning of wards and other premises. Carrying out the current and final disinfection.

3.3. Assistance in the reception department during the admission of patients and their registration: sanitary treatment of patients, treatment of patients with the detection of pediculosis, hair and nail cutting.

3.4. Assistance to the patient during hygienic baths: observation, washing, washing under the shower.

3.5. Transportation of patients to medical and diagnostic departments. Performing anthropometric measurements of incoming patients, registering data in medical documentation.

3.6. Transportation of disabled patients.

3.7. Care of patients with limited self-care: assessment of the functional state of the patient, assistance with personal hygiene (oral care, eyes, nose, skin, washing, wiping, washing, douching, prevention of bedsores).

3.8. Providing assistance to patients in serious condition if it is necessary to change their position in bed, when changing bed and underwear.

3.9. Working out techniques for changing bed linen and underwear in patients. Lining of a rubber circle.

3.10. Preparation of patients for laboratory and instrumental research methods. Improving the skills of performing non-invasive nursing medical manipulations. Disinfection of medical devices. Registration of medical documentation.

3.11. Care and supervision of a feverish patient. Measurement of body temperature. Disinfection of medical thermometers.

3.12. Sputum collection, stool collection, oxygen therapy. Determination of oxygen saturation by pulse oximeter. The study of pulse and blood pressure, registration of the results obtained.

3.13. Assistance to the patient during computer monitoring of cardiac activity.

3.14. Maintaining water balance sheets. Registration of diuresis. Providing assistance to a patient with impaired urination. Performing catheterization of the bladder with a flexible catheter.

3.15. Psychological and physiological preparation of patients for additional examinations (catheterization of the bladder, radiation diagnostics – X-ray examination, kidney tomography, sonography, etc.).

3.16. Preparation of patients for X-ray examination of the stomach, intestines, gallbladder, esophagogastroduodenoscopy, rectoromanoscopy, colonoscopy, ultrasound examination of the digestive organs.

3.17. Feeding of severe patients, elderly and senile patients who are in bed.

3.18. Assistance to patients with vomiting, flatulence, gastric lavage, introduction of a gas outlet tube into the rectum.

3.19. Assistance to patients with diarrhea, constipation, fecal incontinence, flatulence.

3.20. Preparation of patients and staging of various types of enemas.

3.21. Use of a medical heating pad, an ice pack (gel pack), mustard plasters.

FORMS OF PRACTICE

Practical session in medical care is carried out in the following forms:
supervision of the organization of work of junior and secondary medical personnel;

presence during the implementation of preventive, therapeutic and diagnostic measures;

assistance during various medical appointments;

independent study of theoretical material.

INFORMATION AND METHODOLOGICAL PART

LIST OF PRACTICAL SKILLS, FIXED DURING PRACTICE AND THE LEVELS OF THEIR DEVELOPMENT

Levels of mastering practical skills:

1 – to know theoretically, to be professionally oriented, to know the indications for conducting;

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

3 – know theoretically, do it yourself.

A practical skill can be assigned several levels (for example: 1, 2, 3, or 1, 2). If there are no conditions in the healthcare organization for mastering the skill at levels 2, 3, the student must master practical skills according to level 1.

№	Practical skills	Recommended	
		quantity	Level of development
1	Hygienic hand antiseptics	26	3
2	Anthropometric measurements of patients, body mass index calculation	2	3
3	Changing underwear for a patient with a lack of self-service	2	2,3
4	Change of bed linen for a patient with a lack of self-service	2	2,3
5	Conducting a skin toilet	2	3
6	Carrying out the toilet of the oral cavity	2	3
7	Carrying out the toilet of the ears	2	3
8	Conducting a nasal cavity toilet	2	3
9	Instilling drops into the eyes and rinsing the eyes	2	3
10	Instilling drops in the nose and ears	2	3
11	Transferring a patient from a bed to a wheelchair	3	2,3
12	Shifting the patient from the bed to the gurney	3	2,3
13	Patient transportation on a wheelchair	3	3
14	Patient transportation on a gurney	3	2,3
15	Patient transportation on a stretcher	3	1,2
16	Feeding the vessel, washing the patient	2	2,3
17	Body temperature measurement	5	3
18	Pulse oximetry	5	3
19	Counting the respiratory rate	5	3
20	Heart rate counting	5	3
21	Blood pressure measurement	3	3
22	Changing the patient's position in bed	3	3

23	Filling in the temperature sheet	2	3
24	Setting a compress	2	3
25	Preparation and serving of an ice bubble	1	1,2,3
26	Using a pocket inhaler	1	1,2,3
27	Using a gel pack	1	2
28	Feeding patients with limited self-care	2	2,3
29	Oxygen supply through nasal cannulas	4	2,3

REQUIREMENTS FOR THE CONTENT, EXECUTION OF THE PRACTICAL SESSION REPORT BY THE STUDENT

During the practical session in medical care, the student, under the supervision of the direct head of the practice from the department, performs the internship program. During the last week of practice, the student draws up a written report on the implementation of the training practice program according to Appendix 1.

The report on the training practice is signed by the student, the direct head of the practice from the department. The report is executed on A4 paper using the Ms Word application - and is carried out in accordance with the requirements of the state standard STB 6-38-2004 for details, text, document design and data in tables.

Reports on students' academic practice are stored in accordance with the nomenclature of cases of the department of the educational institution "Belarusian State Medical University", responsible for the organization of educational practice.

GUIDELINES FOR HEADS OF PRACTICAL TRAINING AND STUDENTS

Departments in charge of organization of the practical session should:

- develop training practice programs, review them annually if necessary;
- they introduce students to the purpose, task and program of educational practice;
- they provide the head of the university practice, the deans of the faculties with reliable and updated information about the healthcare organizations in which the training practice is conducted and about the number of students who can accept healthcare organizations;
- they make proposals on the distribution of students by healthcare organizations, form lists of students and send them to the dean's office of the faculty;
- make proposals on the appointment of teachers as direct supervisors of educational practice from departments;
- instruct students on labor protection, safety and industrial sanitation with their signature in the journal;
- identify and promptly eliminate deficiencies in the course of the training practice, and if necessary, report them to the dean of the faculty and the head of the university practice;
- carry out methodological guidance of educational practice and control of labor and performance discipline of students;

they receive test and examination sheets in the dean's office of the faculty for conducting a differentiated test;

conduct a differentiated test based on the results of the training practice and submit the test and examination sheets to the dean's office of the faculty no later than the next day after passing the differentiated test;

analyze the implementation of educational practice programs, discuss the results at a meeting of the department and present them to the head of the university practice;

submit a report on the results of the training practice to the dean of the faculty and the head of the university practice by September 30 of this year.

Head of the group:

The head of the group monitors the production discipline of students in the group, promptly informs the head of the training practice from the department and the dean's office about violations of the work schedule by students.

The student during the practical session in medical care is obliged to:

To complete the program of practical session in medical care, to issue a report on practical session in accordance with Appendix 1. The report on practical session in medical care must be signed by the student and approved by the head of the practical session

to be instructed at the department on safety, fire safety, industrial sanitation, to sign in the safety magazine;

observe the rules and regulations of labor protection, safety, fire safety and industrial sanitation.

QUESTIONS TO PREPARE FOR THE GRADED CREDIT

1. Carrying out hygienic antiseptics of the skin of the hands.
2. Preparation of working solutions of chemical disinfectants.
3. Carrying out the current cleaning of the premises of healthcare organizations.
4. General cleaning of the procedural (dressing, manipulation) office.
5. Disinfection of medical devices.
6. Sanitary treatment of the patient (complete and partial).
7. Examination of the patient for pediculosis, scabies. Sanitary treatment for the detection of pediculosis.
8. Carrying out anthropometric measurements of the patient.
9. Patient transportation.
10. Moving the patient taking into account the rules of biomechanics.
11. Comprehensive prevention of bedsores.
12. Toilet of the eyes, nose, external auditory canal.
13. Hygienic oral care.
14. Skin, hair, nails care.
15. The supply of the vessel, the urinal.
16. Washing the patient.
17. Bed preparation.
18. Change of underwear in a patient with impaired motor activity.

19. Change of bed linen in a patient with impaired motor activity.
20. Feeding patients with self-service deficiency (with a spoon and a drinking cup).
21. Measurement of daily diuresis and its registration, determination of water balance.
22. Body temperature measurement, registration in the temperature sheet.
23. Heart rate calculation and determination of its characteristics, registration in the temperature sheet.
24. Counting of respiratory movements, registration in the temperature sheet.
25. Measurement of blood pressure and its assessment, registration in the temperature sheet.
26. The use of an ice bubble (gel pack).
27. Oxygen supply through nasal cannulas.
28. Setting up a warming compress.
29. Collection of urine for various studies, registration of directions.
30. Collection of feces for various studies, registration of directions.
31. Collection of sputum for general analysis, registration of the referral.
32. Preparation of patients for instrumental research methods.

CALENDAR AND THEMATIC PLAN FOR PRACTICAL SESSIONS

Practice section: name of works	Quantity		
	classroom hours	supervised student independent work	student independent work
Familiarity with the structure of a medical and preventive institution, the organization of a protective and sanitary regime, the study of the regulatory framework, equipment and equipment	8	2	8
Work in the reception department: performing anthropometric measurements for incoming patients, registering data in medical documentation. Sanitary treatment of the patient.	9	1	8
Familiarization with the structure and organization of the work of the medical department of the health organization. Transportation of patients to medical and diagnostic departments.	8	2	8
Improving the skills of independent observation of patients, registration of observation data in medical documentation. Preparation of patients for laboratory and instrumental research methods.	9	1	8
Improving the skills of performing non-invasive nursing medical manipulations. Disinfection of medical devices. Registration of medical documentation.	9	1	8
Development of practical skills in caring for elderly and senile patients, seriously ill.	9	1	8
Total:	52	8	48

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational Institution

BELARUSIAN STATE MEDICAL UNIVERSITY

APPROVE
Head of the Department

Full name

____ / ____ /20__

Student Report _____

(Full name)

on the practical session in Medical Care at the base of _____

(name of the healthcare institution in accordance with the state register)
in the period from _____ 20__ to _____ 20__

№	Practical skills	Recommended		Mastered	
		quantity	level of mastering	quantity	level of mastering
1.	Hygienic hand antiseptics	26	3		
2.	Anthropometric measurements of patients, body mass index calculation	2	3		
3.	Changing underwear for a patient with a lack of self-service	2	2,3		
4.	Change of bed linen for a patient with a lack of self-service	2	2,3		
5.	Conducting a skin toilet	2	3		
6.	Carrying out the toilet of the oral cavity	2	3		
7.	Carrying out the toilet of the ears	2	3		
8.	Conducting a nasal cavity toilet	2	3		
9.	Instilling drops into the eyes and rinsing the eyes	2	3		
10.	Instilling drops in the nose and ears	2	3		
11.	Transferring a patient from a bed to a wheelchair	3	2,3		

12.	Shifting the patient from the bed to the gurney	3	2,3		
13.	Patient transportation on a wheelchair	3	3		
14.	Patient transportation on a gurney	3	2,3		
15.	Patient transportation on a stretcher	3	1,2		
16.	Feeding the vessel, washing the patient	2	2,3		
17.	Body temperature measurement	5	3		
18.	Pulse oximetry	5	3		
19.	Counting the respiratory rate	5	3		
20.	Heart rate counting	5	3		
21.	Blood pressure measurement	3	3		
22.	Changing the patient's position in bed	3	3		
23.	Filling in the temperature sheet	2	3		
24.	Setting a compress	2	3		
25.	Preparation and serving of an ice bubble	1	1,2,3		
26.	Using a pocket inhaler	1	1,2,3		
27.	Using a gel pack	1	2		
28.	Feeding patients with limited self-care	2	2,3		
29.	Oxygen supply through nasal cannulas	4	2,3		

Student

_____ (signature)

_____ Full name

Head of the practice
from the department

_____ (signature)

_____ Full name

Information about the authors (compilers) of the curriculum

Name	N.P.Mitkovskaya
Position, scientific degree, title	Head of the Department of Cardiology and Internal Diseases of the educational institution «Belarusian State Medical University», PhD, Professor
☎ work	+ 375 17 287-89-03
<i>E-mail:</i>	mitkovskaya1@mail.ru
Name	S.E.Aliakseychik
Position, scientific degree, title	Head of the 1st Department of Internal Diseases of the educational institution «Belarusian State Medical University», PhD, Associate Professor
☎ work	+ 375 17 340-42-33.
<i>E-mail:</i>	inill1@bsmu.by
Name	Y.Y.Pankratova
Position, scientific degree, title	Associate Professor of the 1st Department of Internal Diseases of the educational institution «Belarusian State Medical University», PhD, Associate Professor
☎ work	+ 375 17 340-42-33.
<i>E-mail:</i>	inill1@bsmu.by
Name	E.M.Balysh
Position, scientific degree, title	Associate Professor of the Department of Cardiology and Internal Diseases of the educational institution «Belarusian State Medical University», PhD, Associate Professor
☎ work	+375291723453
<i>E-mail:</i>	cardio@bsmu.by
Name	E.V.Moklaya
Position, scientific degree, title	Assistant of the Department of Cardiology and Internal Diseases of the educational institution «Belarusian State Medical University»
☎ work	+375291128568
<i>E-mail:</i>	alenmokl@mail.ru

COMPILERS/AUTHORS:

Head of the Department of Cardiology
and Internal Diseases, PhD, Professor

✓ 

N.P.Mitkovskaya

Head of the 1st Department of Internal
Diseases, PhD, Associate Professor


signature

S.E.Aliakseychik

Associate Professor of the 1st
Department of Internal Diseases,
PhD, Associate Professor



Y.Y.Pankratova

Associate Professor of the Department
of Cardiology and Internal Diseases,
PhD, Associate Professor



E.M.Balysh

Assistant of the Department of
Cardiology and Internal Diseases



signature

E.V.Moklaya

Curriculum content, composition and the accompanying documents comply with the established requirements.

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

13 06 2012



O.I.Ishutin

Head of Practical Training
of the educational institution «Belarusian
State Medical University»

13 06 2012



N.A.Medved

Methodologist of the educational
institution «Belarusian State
Medical University»

13 06 2012



O.R.Romanovskaya