

MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION

PENZA STATE UNIVERSITY

MEDICAL INSTITUTE



APPROVED

director of the institute

A.N. Mitroshin

(Signature)

« 3 »

сентября

2016

PRACTICAL TRAINING PROGRAM

C2.1.2.1 The practice for obtaining primary professional skills, including primary skills and research activities (caring for patients with a therapeutic profile)

Specialty 31.05.01 General medicine

Graduate's qualification – Medical doctor

Study format - full-time

Penza, 2016

1. Goals of practical training

Goals of practical training "The practice for obtaining primary professional skills, including primary skills and research skills (care for patients of a therapeutic profile)" are the deepening and consolidation of the theoretical preparation of the student; the study of the work of junior medical staff in a therapeutic profile hospital; studying and improving the practical skills obtained by students in the study of previous disciplines.

2. Objectives of practical training

Objectives of practical training "The practice for obtaining primary professional skills, including primary skills and research activities (care for patients of a therapeutic profile)" are:

1. Familiarization with the work of the hospital therapeutic departments: the structure of the therapeutic department, its layout, hygienic requirements and sanitary treatment of the wards, procedural room, dressing room, operating room, treatment and protective regime of the hospital.
2. Study of the nurses functional duties in a therapeutic clinic.
3. Independent work as a junior medical staff.

3. The place of practical training in the bachelor MPEP's structure

Practical training " The practice for obtaining primary professional skills, including primary skills and research skills (care for patients of a therapeutic profile)" refers to the basic part of the C2 block of the Practice (module) of the curriculum for the specialty "General medicine". The practical training "Practice for obtaining primary professional skills" is in a methodical relationship and is based on the following disciplines:

- History of medicine
- Law
- Latin language
- Psychology and pedagogy
- Physics
- Chemistry
- Biochemistry
- Biology
- Anatomy

• Educational program "The practice for obtaining primary professional skills, including primary skills and research skills (care for patients of a therapeutic profile)"

Practical training " The practice for obtaining primary professional skills, including primary skills and research skills (care for patients of a therapeutic profile)" is a section of training that forms the basis for the medical judgement of the future specialist doctor.

Competences acquired during the passage of the training practice " The practice for obtaining primary professional skills, including primary skills and research skills (care for patients of a therapeutic profile)" prepare the student for mastering other professional competencies.

The basic skills acquired during the passage of the Practice on the acquisition of primary professional skills should be used in further study of the following disciplines: Functional Diagnosis, Propedeutics of Internal Diseases, X-ray Diagnostics, General Surgery, Clinical Pharmacology, etc., as well as in preparation for the practical training for obtaining professional skills and professional experience, clinical practice (assistant doctor), clinical practice (assistant physician of outpatient clinics) and preparation for the state examination.

4. Venue and time of practical training implementation

Practical training " The practice for obtaining primary professional skills, including primary skills and research skills (care for patients of a therapeutic profile)" is carried out on the basis of therapeutic hospitals - the Regional Clinical Hospital " N.N. Burdenko ", GBUZ "Clinical Hospital of Emergency Medical Care", Clinical Hospital No. 4, which have a corresponding agreement with the Penza State University

The duration of the training is 4 weeks. Duration of work is 5 hours.

5. Student's competences to be developed as a result of practical training completion.

Completion of the said practical training should lead to development of components of the following competences in compliance with FSES HE in the given specialty:

Competences codes	Name of competence	Structural elements of competence (As a result of the said practical training students should have the following knowledge, skills, abilities)
GPC-6	Willingness to conduct medical records	Knowledge: the basics of maintaining standard accounting and reporting medical records in the provision of outpatient care
		Skills: to fill in the primary medical documentation (medical card of an outpatient patient)
		Abilities: an algorithm for keeping primary medical records (medical records of an outpatient, directions for examination, prescription)
GPC -10	Willingness to ensure the organization of care for patients and the provision of primary care	Knowledge: Major urgent diseases and conditions. Principles of primary care.
		Skills: Use items and care products for patients.
		Abilities: The technique of providing primary care in an emergency and planned manner
PC -5	the ability to collect and analyze the patient's complaints of his history, examination results, laboratory, instrumental, pathological anatomical and other studies in order to recognize the condition or establish the fact of the presence or absence of the disease.	<p>Knowledge: etiology, pathogenesis, diagnosis, modern classification, clinical picture, features of the course and possible complications of the most common diseases occurring in a typical form in different age groups; modern methods of diagnosis, diagnostic capabilities of methods of direct investigation of the patient's therapeutic profile, modern methods of clinical, laboratory and instrumental examination of patients (including endoscopic, X-ray methods, ultrasound diagnostics); maintenance of standard accounting and reporting documentation in treatment and prevention institutions</p> <p>Skills: to collect anamnesis; to conduct a survey of the patient and his relatives; conduct a physical examination (examination, palpation, percussion, determination of pulse characteristics, BH, measurement of blood pressure); interpret the results of the survey; make a preliminary diagnosis; outline the scope of additional studies to clarify the diagnosis; write a medical history.</p> <p>Abilities: methods of conducting medical accounting and reporting documentation; methods of general clinical examination of patients; interpretation of the results of laboratory, instrumental diagnostic methods;</p>

<p>PC -6</p>	<p>ability to determine the patient's basic pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Health Problems, X revision.</p>	<p>algorithm for setting a preliminary diagnosis.</p> <p>Knowledge: structural and functional bases of diseases and pathological processes, causes, main mechanisms of development and outcomes of typical pathological processes, violations of organs and systems; clinical manifestations of the main syndromes; modern methods of clinical, laboratory and instrumental diagnostics of patients with therapeutic profile; the fundamentals of preventive medicine, the organization of preventive measures aimed at improving the health of the population; organization and conduct of rehabilitation activities; mechanism of therapeutic and rehabilitation treatment of physical therapy and physiotherapy and other non-drug methods, indications for their purpose, peculiarities of their conduct;</p> <p>Skills: implement a systematic approach to the analysis of medical information; justify the pathogenetically justified methods of diagnosis, treatment, rehabilitation and prevention of the most common diseases.</p> <p>Abilities: medical-anatomical and pathophysiological conceptual apparatus.</p>
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5.1 For people with disabilities, health status and accessibility requirements are taken into account at the choice of places for passing practical training.

6. Structure and contents of practical training

General workload of the said practical training totals 4 credit units, or 144 hours.

№	Training sections (stages)	Types of instruction during practical training including students' independent work and workload (in hours)					Current monitoring means
		Work with the documentation	Work in the treatment room	Care of the patient	Work in the coronary block	Work in the reception room.	
I.	Organizational (meeting with the head of practice)	4				4	Security Policy Report Report in the practical training diary
II.	Clinical hygiene of the environment and medical personnel in the hospital. Sanitary-hygienic regime of the therapeutic department.	6	8	24	10	4	Report in the practical training diary
III.	Special care for therapeutic patients	2		34	18	8	Report in the practical training diary
IV	Practice diary filling-out	6				14	Report in the practical training diary

V	Conducting the final attestation	2	Differentiated test
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At the stage "Organizational", the first task of the practice is realized. "Familiarization with the work of the therapeutic departments of the hospital: the structure of the therapeutic department, the planning, hygienic requirements and sanitary treatment of the chambers, the procedural room, the curative-protective regime of the therapeutic departments of the hospital." Distribution to work places.

Students perform the following types of work:

- processing of medical instruments (perform pre-sterilization preparation of medical instruments, put dressing in gloves, gloves, evaluate the sterility of material in boxes);
- work in the therapeutic department as a junior medical staff (mastering the skills of sanitizing patients, transporting patients, familiarizing themselves with the hospital's sanitary regime, studying the organization of patient care: thermometry, bed rest, changing clothes, etc.);
- work in the reception room (reception procedure, anthropometry, sanitation, filling out documentation, transportation, etc.);
- work in the treatment room (handle hands with disinfectant solutions, acquire the skill of using a surgical mask, disinfect medical instruments, disinfect air);
- work in the coronary block (hygienic treatment of the body of the operated patient, change the bed linen and bed linen of the patient, carry out hygienic washing of patients, treat bedsores, transport patients after manipulation, move the patient to bed).

At the stage of "Special care for therapeutic patients", the third objective of the training practice is "independent work as a junior medical personnel".

Students perform the following types of work:

- Nutrition of patients: familiarization with the basic principles of therapeutic nutrition, catering, artificial, parenteral nutrition, feeding patients in bed and through a probe;
- care for febrile patients;
- observation and care of patients with diseases of the urination organs
- observation and care of patients with diseases of the digestive system
- observation and care of patients with diseases of the circulatory system
- observation and care of patients with respiratory diseases
- observation and care of patients with diseases of the endocrine system

7. Educational, research and manufacturing technologies used in practical training

1. Technology of use of modern personal supplies in seriously ill patients
2. Modern technologies of probe introduction of nutrients
3. Modern technologies of transportation of patients (using special means of transportation)
4. Technologies of using modern functional beds
5. Modern anthropometry technologies
6. Modern technologies for sampling biological media for analysis (blood, urine, etc.)
7. Modern technologies of parenteral drug administration
8. Modern technologies of thermometry, measurement of blood pressure and pulse
9. Modern technologies of monitoring of the basic indicators of vital activity of an organism
10. Modern technologies in conducting cardiopulmonary resuscitation
11. Modern technologies of diagnostics of internal organs diseases

8. Educational and methodological support of students' independent work during practical training.

The management of the training practice is carried out by the curator (responsible for the practice of therapy department teacher). The direct management of practice is carried out by the heads of the therapeutic departments, which together with the curator form the schedule of the work of students. In the process of passing the practice, students obey the rules of the internal regulations of medical and preventive institutions.

During the practice, a student must:

- Completely perform the tasks stipulated in the program of practice;
- to comply with the rules of internal regulations in force in the medical institution;
- to study and strictly observe the rules of labor protection and safety precautions;
- to be responsible for the work performed and its results on a par with staff workers;
- Keep a diary, which records all activities during the practice period;
- participate in the public life of the hospital staff;
- to present to the head of practice a report on the implementation of the program and timely hand over the test in practice.

Each student during the practice keeps a diary in which daily reflects all the work done, describes in detail the most complex manipulations and procedures in which he took part. The diary must necessarily give an idea of the degree of independence of the student when performing this or that manipulation. In addition, all reporting sections of the diary must be fully completed, they list the number of independently performed manipulations and procedures. The curator constantly monitors students on all sections of the work. At the end of the practice, the diary is certified by the head of the department, the chief doctor of the health facility or his deputy for medical work, and the characteristics of the student's work are included in it.

In the diary, assessments are made for each cycle of practice, which are taken into account when passing the overall test. The set-off is carried out at the end of the training practice of the commission. The assessment of the practice, signed by the curator, is recorded in the student's diary. The statement of excellence for academic practice shall be submitted to the directorate. The assessment in practice is equivalent to the exam.

A student who has not completed a curriculum that received a negative review of the work or an unsatisfactory grade is sent again to practice during the student's vacation. In some cases, the directorate may ask the rector the question of the student's further stay at a higher educational institution.

9. Forms in interim attestation (based on practical training results)

The form of interim attestation is a differentiated set-off. Set-off is held at the end of practice.

An indicative list of questions for set-off

1. Definition of the concept of care for therapeutic patients.
2. Basic principles of deontology of patient care in a therapeutic clinic.
3. Treatment-protective regime of therapeutic departments.
4. Body hygiene of medical personnel.
5. Care for hair, mouth and nose.
6. Care of the skin of the hands of medical personnel.
7. Hygiene personal attire of medical personnel in the therapeutic clinic.
8. Wearing and hygiene of medical clothing: medical gown, hats, replacement shoes.
9. Rules of wearing and hygiene gauze mask.
10. Hospital-acquired (hospital) infection.
11. Equipment of the receiving and diagnostic department.
12. Sanitary treatment of the therapeutic department.
13. Transportation of the patient to the department.
14. Disinfection of air with sources of ultraviolet radiation.

15. Treatment and disinfection of medical equipment, medical diagnostic equipment, tripods, cabinets, dressing tables, couches, wheelchairs.
16. Hygiene of a patient's body with a free regime.
17. Hygiene of the patient's body with bed rest.
18. Sanitary treatment of the oral cavity in a patient with bed rest.
19. Rubbing or washing the patient in bed.
20. Complex prophylaxis of decubitus in patients with bed rest.
21. Sanitation and disinfection of bathtubs and bathrooms.
22. Change of underwear in patients with a free regime.
23. Change of underwear in patients with bed rest.
24. Treatment and disinfection of mattresses, blankets, pillows.

Evaluation criteria at the set-off

"**Excellent**" ("5") - 91% and more correct answers to tasks.

"**Good**" ("4") - 81-90% of correct answers to tasks.

"**Satisfactory**" ("3") - 71-80% of correct answers to tasks.

10. Educational, methodological and informational means provided for education program

a) basic literature:

1. General care for patients of a therapeutic profile [Electronic resource]: Textbook. ed. / Oslopov VN, Bogoyavlenskaya OV - M.: GEOTAR -Media, 2015
<http://www.studmedlib.ru/book/ISBN9785970433935.html>
2. General care for children [Electronic resource]: edited / Zaprudnov AM, Grigoriev KI - 4th ed., revised. - M.: GEOTAR-Media, 2013.
<http://www.studmedlib.ru/book/ISBN9785970425886.html>
3. General care for patients in therapeutic clinic [Electronic resource]: Textbook. ed. / Oslopov VN, Bogoyavlenskaya OV. - 3th ed., revised. - M.: GEOTAR -Media, 2013.
<http://www.studmedlib.ru/book/ISBN9785970425206.html>

б) additional literature:

1. Practical skills in the program "Assistant to the Medical Nurse" [Electronic resource] / Bulatov SA, Gorbunov V., Akhmadeev N. - Kazan: Kazan State Medical University, 2012." – <http://www.studmedlib.ru/book/skills-1.html>
2. Laboratory and instrumental studies in diagnostics [Electronic resource]: Reference book / Transl. from English. V.Yu. Khalatova; Ed. V.N. Titov. - M.: GEOTAR-Media, 2004." <http://www.rosmedlib.ru/book/ISBN5923103427.html>

в) Online resources

1. <http://elibrary.ru> - scientific electronic library.
2. <http://lanbook.com> - library of the UGMA
3. <http://www.rosmedlib.ru> - Electronic library «Consultant of the doctor»
4. «Microsoft Windows» (subscription DreamSpark/Microsoft Imagine Standart); registration number 00037FFEBA CF8FD7, report № СД-130712001 от 12.07.2013
5. «Kaspersky antuvirus» 2015-2016, registration number KL4863RAUFQ
6. Freely distributed ПО: Open Office; Mozilla Firefox; Google Chrome; Adobe Acrobat Reader 7zip.

11. Material and technical means provided for practical training

During the practical training, students work in the therapeutic department (Cardiology, Pulmonology, Gastroenterology, Nephrology), Functional and Radiology Departments of medical bases (Regional Clinical Hospital named after NN Burdenko, State Clinical Hospital of Emergency Medical Care", Clinical Hospital No. 4) with which there is a university contract (FGBOU VO "Penza State University ").

№	Name of special rooms and rooms for individual work	The equipment of special rooms and rooms for individual work
1	Ordinary Treatment room Sightings of the admission department	1 necessary equipment for patients care, modern monitors of vital signs (pulse, blood pressure, etc.) 2 Procedural and manipulation rooms equipped according to the rules. 3 Computers, Media equipment.
2	Department of Functional Diagnostic, 14 building. RCH N.N. Burdenko.	Electrocardiograph "FukudaDenshi" - 2 pcs. - Cardiofax electrocardiograph - 2 pcs. - Electrocardiograph "Malysh" - 3 pcs. - Electrocardiographic complex "Poly Spectrum" - 1 pc. - The device for monitoring the blood pressure AD "Tensiophone" with remote data transmission - 10pcs. - ECG-recorder E12 to the complex "Astrocard" (12-channel) - 1 pc. - ECG-recorder E2S to the complex "Astrocard" (2-channel) - 2 pcs. - Monitor outpatient daily BP "Bplab" - 10 pcs. - Ergometer - 1 pc. - Apparatus for spirometry and pulse oximetry "Spirolab-III" - 2 pcs. - Medical electronic scales - 2 pcs. - Medical stadiometer - 1 pc. - Pneumotachometer "COPD-6" - 3 pcs.
3	Department of Radiology, 14 building. N.N. Burdenko.	- X-ray machines - apparatuses of ultrasonic diagnostics - MRI device - SCT device - apparatus for coronaroangiography

Working program of training was composed in compliance with requirements of FSES HE taking into account educational program for the educational specialty General Medicine

The program was compiled by:

1. Y. A. Tomashevskaya
2. N.V. Burko

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The program was approved at a meeting of department "Therapy"

Report № 7 from « 4 » May 2016

Head of department [Signature] V.E. Oleynikov

The program was approved by the Dean of faculty of General Medicine of the PSU

Dean of FGM [Signature] (I.Y. Moiseeva)



The program was approved by the methodological committee of Medical institute

Report № 7 from « 5 » 03 2016

Head of the methodological committee of

[Signature] O.V. Kalmin

**Data on re-approval of the program for consecutive academic years
and record of alterations**

Academic year	Sub-departments' decision (Report №, date, signature of sub-department's head)	Introduced alterations	Page numbers		
			changed	new	annulled
2016- 2017	Report №1 31.- 08.2016r 	Re-confirmed			
2017- 2018	Report №1 30.08.2017r 	Re-confirmed Alterations introduced into the title page of the Program, the qualification of the graduate was changed from a doctor to a general practitioner for a doctor- clinic	1		