

Federal State Budgetary Educational Institution of Higher Education  
"Privolzhsky Research Medical University"  
Ministry of Health of the Russian Federation



APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

## WORKING PROGRAM

Name of the academic discipline: **ASSISTANT OF TREATMENT NURSE**

Specialty: **31.05.01 GENERAL MEDICINE**

Qualification: **GENERAL PRACTITIONER**

Department: **ENDOCRINOLOGY AND INTERNAL DISEASES**

Mode of study: **FULL-TIME**

Labor intensity of the academic discipline: **90 academic hours**

The working program has been developed in accordance with the Federal State Educational Standard for specialty 31.05.01 GENERAL MEDICINE approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 988 of August 12, 2020.

**Developers of the working program:**

**Candidate of Medical Sciences, Assistant Professor Bushueva A.V.**

The program was reviewed and approved at the department meeting (protocol No.4, 21.04.22)  
Head of the Department, Doctor of Medical Sciences, Associate Professor Pochinka I.G.

21/04/2021



AGREED

Deputy Head of EMA ph.d. of biology \_\_\_\_\_ Lovtsova L.V.

(signature)

21/04/2021

## **1. The purpose and objectives of mastering the academic discipline ASSISTANT OF TREATMENT NURSE (hereinafter – the discipline):**

1.1. The purpose of mastering the discipline: participation in the formation of the following competencies: UC-1, GPC-1, GPC-4, GPC-5, GPC-6, GPC-10, PC-1, PC-2, PC-3, PC-4, PC-8

1.2. Tasks of the discipline: to master the following competencies: IUC 1.1, IUC 1.2, IUC 1.3, IGPC 1.1, IGPC 1.2, IGPC 1.3, IGPC 4.1, IGPC 4.2, IGPC 4.3, IGPC 5.1, IGPC 5.2, IGPC 5.3, IGPC 6.1, IGPC 6.2, IGPC 6.3, IGPC 10.1, IGPC 10.2, IGPC 10.3, IPC 1.1, IPC 1.2, IPC 2.1, IPC 2.2, IPC 3.1, IPC 3.2, IPC 4.1, IPC 4.2, IPC 8.1, IPC 8.2.

### 1.3. Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

#### **Know:**

- bases of ethics and deontology;
- the structure of medical organizations, the basic rules of conduct and regime;
- the specifics of the organization of work of junior and middle medical personnel in medical institutions;
- the main stages of the work of a procedural nurse;
- methods of sanitary and educational work;
- features of monitoring and caring for patients with diseases of various body systems (pathology of the broncho-pulmonary system, cardiovascular, gastrointestinal tract, urinary system);
- methods of carrying out urgent measures;
- types of fevers;
- methods and types of nutrition of patients depending on the severity and type of pathology;
- basics of cardiopulmonary resuscitation.

#### **Be able to:**

- disinfect hands according to generally accepted rules;
- perform manipulations of a procedural nurse;
- assess the patient's condition to make a decision on the need to provide him with medical care;
- apply various methods of administering drugs;
- carry out disinfection, pre-sterilization preparation of medical instruments, materials and means of patient care;
- provide first aid in case of emergency;
- to carry out resuscitation in the event of clinical death;
- apply the legal and medical aspects of ascertaining the death of a person.

#### **Possess:**

- skills in caring for patients, taking into account their age, nature and severity of the disease, including for seriously ill and agonizing patients;
- providing emergency care to patients;
- apply various methods of administering drugs;
- maintaining proper medical documentation

## **2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.**

2.1. The discipline ASSISTANT OF TREATMENT NURSE refers to the core part (or *the part*

formed by the participants of educational relations) of Block 2 of GEP HE specialty 31.05.01 "General Medicine".

The discipline is taught in 6 semester/3 year of study.

**2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:**

Chemistry, Bioorganic Chemistry, Biology, Anatomy, Bioethics, Nursing, Teaching Practice: Medical and Surgical Nursing, Nursing, Microbiology, Pathological Anatomy, Pathological Physiology, Pharmacology, Propaedeutics of Internal Medicine, General Surgery

**2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:**

Faculty therapy, Faculty surgery, Occupational diseases; Hospital therapy, Endocrinology; Polyclinic therapy; Practice "Physician's assistant" and "Physician's assistant in an outpatient clinic"

**3. Deliverables of mastering the academic discipline and metrics of competence acquisition**

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	UC-1	Be able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	IUC 1.1, IUC 1.2, IUC 1.3	The methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis	To receive new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience	To research of the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems
2.	GPC-1	Be able to implement moral and legal norms, ethical and deontological	IGPC 1.1, IGPC 1.2, IGPC 1.3,	Foundations of medical ethics and deontology; fundamentals of legislation in the	To apply ethical standards and principles of behavior of a	Practical experience: solving standard problems of

		principles in professional activities		field of healthcare; legal aspects of medical practice	medical worker in the performance of their professional duties; knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the rules and norms of interaction between a doctor and colleagues and patients (their legal representatives)	professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice
3.	GPC-4	Be able to use medical devices provided for by the order of medical care, as well as conduct examinations of the patient in order to establish a diagnosis	IGPC 4.1, IGPC 4.2, IGPC 4.3	The methodology for collecting an anamnesis of life and diseases, complaints from patients (their legal representatives); method of examination and physical examination; clinical picture, diagnostic methods of the most common diseases; methods of laboratory and instrumental studies for assessing the state of health, medical indications for	To take complaints, anamnesis of life and disease in patients (their legal representatives), identify risk factors and causes of the development of diseases; apply methods of examination and physical examination of patients; interpret the results of the examination and physical examination of patients;	Practical experience: collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of diseases; examination and physical examination of patients; diagnosis of the most common diseases; identification of risk factors for

				<p>conducting studies, rules for interpreting their results; international statistical classification of diseases and related health problems (ICD); conditions requiring emergency medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care</p>	<p>diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumental and additional studies in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients for laboratory, instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; refer</p>	<p>major cancers; formulating a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international</p>
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					<p>patients for consultations to specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; interpret and analyze the results of consultations with patients' specialists; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of a threat to life, requiring emergency medical care;</p>	<p>statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p>
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					apply medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care	
4.	GPC-5		IGPC 5.1, IGPC 5.2, IGPC 5.3	Be able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	To evaluate the main morphofunctional data, physiological conditions and pathological processes in the human body	Practical experience: assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body in solving professional problems
5.	GPC- 6	Be able to organize patient care, provide primary health care, ensure the organization of work and the adoption of professional decisions in emergency conditions at the prehospital stage, in	IGPC 6.1, IGPC 6.2, IGPC 6.3	The methodology for collecting complaints and anamnesis from patients (their legal representatives); methods of physical examination of patients	To recognize conditions requiring emergency medical care, including in emergency situations, epidemics and in areas of mass destruction,	Assessment of a condition requiring emergency medical care, including in emergency situations, epidemics and in centers of



		<p>emergency situations, epidemics and in centers of mass destruction</p>		<p>(examination, palpation, percussion, auscultation); principles and methods of providing medical care to patients in emergencies, in emergency situations, epidemics and in areas of mass destruction in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; clinical signs of major medical emergencies; principles of medical evacuation in emergency situations, epidemics and in the centers of mass destruction; principles of work in the centers of mass destruction; principles of organization of patient care, provision of primary health care</p>	<p>requiring emergency medical care; organize the work of medical personnel in emergency situations, in emergency situations, epidemics and in the centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping the vital functions of the human body (blood circulation and (or) respiration); use medicines and medical devices in the provision of medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment; organize patient care,</p>	<p>mass destruction; recognition of conditions that pose a threat to life, including the state of clinical death (stoppage of vital functions of the human body (blood circulation and (or) respiration), requiring emergency medical care; provision of emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping the vital functions of the human body (blood circulation and (or) respiration); the use of drugs and medical devices in the provision of medical care in emergencies and epidemics; the use of personal protective</p>
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					provide primary health care	equipment; organization of patient care, provision of primary medical - health care
6.	GPC -10	Be able to solve standard tasks of professional activity using information, bibliographic resources, biomedical terminology, information and communication technologies, taking into account the basic requirements of information security	IGPC 10.1, IGPC 10.2, IGPC 10.3	The possibilities of reference and information systems and professional databases; methods of information search, information and communication technologies; modern medical and biological terminology; basics of information security in professional activity	To apply modern information and communication technologies to solve the problems of professional activity; to carry out an effective search for information necessary to solve the problems of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activities, taking into account the basic requirements of information	the use of modern information and bibliographic resources, the use of special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security

					security	
7.	IPC-1	Be able to assess the condition of a patient requiring emergency or emergency medical care	IPC 1.1, IPC 1.2	The etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results in patients requiring medical care in emergency or emergency forms	To identify clinical signs of conditions requiring emergency or emergency medical care	
8.	PC-2	Be able to recognize conditions arising from sudden acute illnesses, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and	IPC 2.1, IPC 2.2	The etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of	To identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency	

		<p>requiring emergency medical care, to recognize conditions that threaten the patient's life, including conditions of clinical death (stopping the vital functions of the human body (circulation and / or breathing), requiring medical attention in an emergency form</p>		<p>diseases of internal organs; methodology for collecting complaints and anamnesis from patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of circulation and/or respiration</p>	<p>medical care, including clinical signs of sudden cessation of blood circulation and breathing</p>	
9.	PC-3	<p>Able to provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life, to provide emergency medical care to patients in conditions that threaten the patient's life,</p>	<p>IPC 3.1, IPC 3.2</p>	<p>The rules for basic cardiopulmonary resuscitation; principles of operation of devices for external electroimpulse therapy (defibrillation); rules for performing external electrical impulse therapy (defibrillation) in</p>	<p>To carry out measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillatio</p>	

		including clinical death (suspension of vital functions the human body (circulation and/or respiration)		case of sudden cessation of blood circulation and / or respiration	n)	
10.	PC-4	Be able to use medicines and medical devices in the provision of medical care in emergency or urgent forms	IPC 4.1, IPC 4.2	The modern methods of using medicines, medical devices for diseases and conditions in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care in the provision of medical care in emergency or urgent forms;	To prescribe medicines, medical devices, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care in emergency or urgent forms	
11.	PC-8	Be able to make disease treatment plan or states and assign medications, medical products, medical nutrition and non-drug treatment based on diagnosis, age and clinical picture in According to current procedures for the provision of medical care, clinical recommendations	IPC 8.1, IPC 8.2	The modern methods of using medicines, medical devices and clinical nutrition for diseases and conditions in a patient in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of	To make a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the age of the patient, the clinical picture of the disease in accordance with the current procedures for the	

		<p>(treatment protocols) issues of medical care from standards medical care and evaluate the effectiveness and application safety medicines, medical products, medical nutrition and other treatments</p>		<p>medical care, taking into account the standards of medical care; the mechanism of action of drugs, medical products and medical nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions in a patient in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; mechanism of action of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use</p>	<p>provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medicines, medical products and medical nutrition, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe non-drug treatment taking into account the diagnosis,</p>	
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					age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition	
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**4. Sections of the academic discipline and competencies that are formed when mastering them**

№	Competence code	Section name of the discipline	The content of the section in teaching units
1	UC-1, GPC-1, GPC-4, GPC-5, GPC-6, GPC-10, PC-1, PC-2, PC-3, PC-4, PC-8	Organization of the work of a treatment nurse and arrangement of a treatment room	Organization, structure and schedule of the treatment room. Rules for disinfection, pre-sterilization treatment, sterilization of medical instruments and materials, treatment of walls and furniture of the treatment room Prevention of HIV infection, treatment of the skin and mucous membranes in case of contact with the blood of HIV-infected patients The procedure for dispensing drugs from a pharmacy. Rules for the storage of various types of drugs. Rules for dealing with narcotic substances.
	UC-1, GPC-1, GPC-4, GPC-5, GPC-6,	Carrying out diagnostic and therapeutic procedures,	Rules for measuring blood pressure, the method of counting the pulse. ECG recording Methods of drug administration. Carrying out subcutaneous, intravenous, intramuscular injections.

GPC-10, PC-1, PC-2, PC-3, PC-4, PC-8	preparing patients for various research methods	Preparation of the patient for x-ray, endoscopic examination, ultrasound of the abdominal organs, for the study of feces for occult blood. Rules for taking feces to the "disgroup". Types and technique of staging various types of enemas. Rules for taking a smear from the pharynx, sputum and pleural punctate for research on MT and microflora. Rules for collecting urine for general analysis. Rules for collecting urine for research on microflora and sensitivity to antibiotics. Bladder catheterization technique. Getting blood type using ABO-system, Rhesus factor using express method, blood samples to define the compatibility of receivers and donors. Estimating blood capability for transfusion
UC-1, GPC-1, GPC-4, GPC-5, GPC-6, GPC-10, PC-1, PC-2, PC-3, PC-4, PC-8	The emergency first aid	Emergency first aid for an attack of bronchial asthma, anaphylactic shock, Quincke's edema. Emergency first aid for pulmonary edema, hypertensive crisis, angina attack. Emergency first aid for nasal, pulmonary, gastric, intestinal bleeding. Emergency first aid in case of poisoning. First aid for vomiting. Gastric lavage and taking of washing water for research. Emergency first aid for high fever, convulsive syndrome. Emergency first aid for fainting, collapse. Emergency first aid for the bite of a bee, wasp, snake, tick. Emergency first aid for electric shock, drowning Basic rules of CPR

### 5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity (AH) in semesters
	volume in credit units (CU)	volume in academic hours (AH)	
			6
Classroom work, including			
Lectures (L)			
Laboratory practicum (LP)*			
Practicals (P)	2.5	90	90
Seminars (S)			
Student's individual work (SIW)			
Mid-term assessment			
credit/exam ( <i>specify the type</i> )			
<b>TOTAL LABOR INTENSITY</b>	<b>2.5</b>	<b>90</b>	<b>90</b>

### 6. Content of the academic discipline

#### 6.1. Sections of the discipline and types of academic work

№	Name of the section of the academic discipline	Types of academic work* (in AH)					total
		L	LP	P	S	SIW	
1	Organization of the work of a treatment nurse and arrangement of a treatment room			18			
2	Carrying out diagnostic and therapeutic procedures, preparing patients for various research methods			32			
3	The emergency first aid			40			



	TOTAL			90			
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\* - L – lectures; LP – laboratory practicum; P – practicals; S – seminars; SIW – student's individual work.

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures – not stipulated

6.2.2. The thematic plan of laboratory practicums (*if this type of classes is stipulated in the curriculum*) – not stipulated

6.2.3. Thematic plan of practicals

№	Name of the topics of practicals	Volume in AH
		<b>Semester 6</b>
1	Organization, structure and schedule of the treatment room. Rules for disinfection, pre-sterilization treatment, sterilization of medical instruments and materials, treatment of walls and furniture of the treatment room	6
2	Prevention of HIV infection, treatment of the skin and mucous membranes in case of contact with the blood of HIV-infected patients	6
3	The procedure for dispensing drugs from a pharmacy. Rules for the storage of various types of drugs. Rules for dealing with narcotic substances	6
4	Rules for measuring blood pressure, the method of counting the pulse. ECG recording	4
5	Methods of drug administration. Carrying out subcutaneous, intravenous, intramuscular injections.	6
6	Preparation of the patient for x-ray, endoscopic examination, ultrasound of the abdominal organs, for the study of feces for occult blood. Rules for taking feces to the "disgroup".	4
7	Types and technique of staging various types of enemas.	4
8	Rules for taking a smear from the pharynx, sputum and pleural punctate for research on MT and microflora	4
9	Rules for collecting urine for general analysis. Rules for collecting urine for research on microflora and sensitivity to antibiotics. Bladder catheterization technique.	6
10	Getting blood type using ABO-system, Rhesus factor using express method, blood samples to define the compatibility of receivers and donors. Estimating blood capability for transfusion	4
11	Emergency first aid for an attack of bronchial asthma, anaphylactic shock, Quincke's edema.	6
12	Emergency first aid for pulmonary edema, hypertensive crisis, angina attack.	6
13	Emergency first aid for nasal, pulmonary, gastric, intestinal bleeding.	4
14	Emergency first aid in case of poisoning. First aid for vomiting. Gastric lavage and taking of washing water for research.	6
15	Emergency first aid for high fever, convulsive syndrome.	4
16	Emergency first aid for fainting, collapse.	2

17	Emergency first aid for the bite of a bee, wasp, snake, tick.	2
18	Emergency first aid for electric shock, drowning	4
19	Basic rules of CPR	6
	TOTAL (total - AH)	90

6.2.4. Thematic plan of seminars (*if this type of classes is stipulated in the curriculum*) – not stipulated

6.2.5. Types and topics of student's individual work (SIW) - not stipulated

### 7. Types of assessment formats for ongoing monitoring and mid-term assessment

№	Semester No.	Types of control		Name of section of academic discipline	Competence codes	Assessment formats		
						types	number of test questions	number of test task options
1.		Current monitoring	Control of mastering the topic	Organization of the work of a treatment nurse and arrangement of a treatment room	UC-1, GPC-1, GPC-4, GPC-5, GPC-6, GPC-10, PC-1, PC-2, PC-3, PC-4, PC-8	Individual survey	5	
				Carrying out diagnostic and therapeutic procedures, preparing patients for various research methods			12	
				The emergency first aid			15	
2.		Mid-term assessment	Exam/ Credit			Testing, individual survey	32	40

### 8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

#### 8.1. Key literature references

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	General care of a patient. Manual. Part 1. Oslopov VN, Bogoyavlenskaya OV, Samerkhanova LC. Kazan. KGMU. - 2005. – 107 p.	9	-
2	General care of a patient. Manual. Part 2. Oslopov VN, Bogoyavlenskaya OV, Samerkhanova LC.	9	-

	Kazan. KGMU. - 2005. – 115 p.		
3	Nursing : student’s book / T. Grice; Grice Tony. – New York ; Oxford University Press, 2007. – 135c	-	30

## 8.2. Further reading

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	Fundamental of nursing procedure manual for PCL course. Khadka S, Sharma CK, Giri M, Uprety B. JICA. Japan. – 2008. – 182 p.	7	-
2	Patients care with internal diseases. Course of training practice. Smirnova A.Yu., Gnoevykh V.V. Ulyanovsk. – 2015. – 114.	5	-
3	General Care of a Patient : tutorial / VN Oslopov, OV Bogoyavlenskaya. – Moskow: GEOTAR-Media, 2019. – 208p	-	1
4	Handbook of Patient Care in Vascular Disease / JM Hallett, DC Brewster David C, Rasmussen Todd E. – 4 <sup>th</sup> ed. – Lippincott Williams and Wilkins, 2001 – 317p	-	1
5	Nursing the burned patient: “for teaching better patient care.” / I.Feller, C.Archambeault; Feller, Irving; Archambeault, Claudella. – Ann Arbor: 1973. – 407p	-	1
6	Critical care nursing science and practice / S. K. Adam, S. Osborne; Adam, Sheila K. ; Osborne, Sue. - 2nd ed. - New York ; London : Oxford University Press, 2006. - 537 p	-	2
7	Techniques of anaesthesia : With management of the patient and intensive care / J. A. Thornton, C. J. Levy; Thornton, J. A. ; Levy, C. J. - 2nd ed. - London : Chapman and Hall, 1981. - 574p	-	1
8	Basics of intensive care: handbook for foreign students / V. Atduev, Nizhny Novgorod State Medical Academy, V. Pichugin [et al.]; Pichugin, V. ; Zagainov, V. ; Atduev, V. ; Safonova A. ; Pichugina M. ; Nizhny Novgorod State Medical Academy. - N. Novgorod : Published House of Nizhny Novgorod State Medical Academy, 2009. - 164 p.	-	6

## 8.3. Electronic educational resources for teaching academic subjects

### 8.3.1. Internal Electronic Library System of the University (IELSU)

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Internal electronic library system	Proceedings of the teaching staff of the academy: textbooks and manuals, monographs, collections of scientific papers, scientific articles, dissertations, abstracts of dissertations, patents.	From any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: <a href="http://95.79.46.20">http://95.79.46.20</a>	Unlimited

			6/login.php	
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### 8.3.2. Electronic educational resources acquired by the University

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Electronic database "Student Advisor"	Educational literature + additional materials (audio, video, interactive materials, test tasks) for higher medical and pharmaceutical education. Editions are structured by specialties and disciplines in accordance with the current Federal State Educational Standards of Higher Professional Education.	From any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: <a href="http://www.studmedlib.ru/">http://www.studmedlib.ru/</a>	General subscription of PRMU
2	Electronic library system "Bukap"	Educational and scientific medical literature of Russian publishing houses, incl. translations of foreign publications. from any computer located on the Internet by login and password, from the computers of the academy.	Subscribed editions are available for reading. [Electronic resource] - Access mode: <a href="http://www.books-up.ru/">http://www.books-up.ru/</a>	General subscription of PRMU
3	"Bibliosearch"	Integrated search service "single window" for electronic catalogs, ELS and full-text databases. The results of a single search in the demo version include documents from domestic and foreign electronic libraries and databases available to the university as part of a subscription, as well as from open access databases.	For PRMU, access to the demo version of the Bibliosearch is open: <a href="http://bibliosearch.ru/pimu">http://bibliosearch.ru/pimu</a> .	General subscription of PRMU

### 8.3.3 Open access resources

№	Name of the electronic resource	Brief description (content)	Access conditions
1	The brookside associates. Medical and nursing professional education	Medical educational videos	<a href="https://brooksidepress.org">https://brooksidepress.org</a> opened access
2	iMedical School	Medical educational videos	<a href="http://www.imedical.school">http://www.imedical.school</a> opened access
4	Lecturio Medical Video	Video Lessons, Quiz Questions for medical students	<a href="http://lectur.io/createyourfreeaccount">http://lectur.io/createyourfreeaccount</a> Открытый доступ

## 9. Material and technical support for mastering an academic discipline

### 9.1. List of premises for classroom activities for the discipline

*Clinical Hospital No. 13 of the Avtozavodsky district of city Nizhny Novgorod*

*Hospitals and hospitals of countries from which FMM students came to study in Russia, with a letter of guarantee from the relevant medical institution*

### 9.2. List of equipment for classroom activities for the discipline

1. *Modern simulators (for injections, bladder catheterization, enemas, resuscitation)*

2. *Medical records: medical history*

3. *Pocket inhalers.*

4. *Tonometers.*

5. *Phonendoscopes. Stethoscopes.*

6. *Electrocardiograph*

7. *Treatment rooms of the therapeutic and surgical departments of hospitals.*

10. *Tools and equipment for collecting blood, urine, feces*

12. *Medicines for first aid in emergency and life-threatening conditions.*

13. *Containers for collecting feces, urine and sputum*

14. *AED (automated external defibrillator)*

### 9.3. A set of licensed and freely distributed software, including domestic production

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN10030 LLC "Softline Trade" from 04.12.2020

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**10. List of changes to the working program (to be filled out by the template)**

Federal State Budgetary Educational Institution of Higher Education  
"Privolzhsky Research Medical University"  
Ministry of Health of the Russian Federation  
(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of  
*Name of the department*

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**CHANGE REGISTRATION SHEET**

working program for the academic discipline  
***NAME OF THE ACADEMIC DISCIPLINE***

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Field of study / specialty / scientific specialty: \_\_\_\_\_ (code, name)

Training profile: \_\_\_\_\_  
(name) - for master's degree programs

Mode of study: \_\_\_\_\_  
full-time/mixed attendance mode/extramural

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting  
Protocol No. \_\_\_\_\_ of \_\_\_\_\_ 20\_\_

Head of the Department

\_\_\_\_\_ /  
department name, academic title

\_\_\_\_\_ /  
signature

\_\_\_\_\_ /  
print name