


RF Ministry of Education Ulyanovsk State University Faculty of Medicine named after Biktimirov T.Z. Department of the propedeutics of internal diseases Department of the general and operative surgery with topographic anatomy and the course of dentistry	Form	
F – Educational plan of the course of training practice “Care of the therapeutic and surgical patients. Primary skills of the research activities”, course 31.05.01 “General Medicine”		

**APPROVED**  
by the decision of the Academic Council of the U.S.U. Institute of Medicine, Ecology and Physical Culture  
June «25» 2018, № 10/200  
*B. V. Muzdarenko*  
Chairman (signature, signature clarification)  
«25» of June 2018



**EDUCATIONAL PLAN OF THE TRAINING PRACTICE**  
“Care of the therapeutic and surgical patients.  
Primary skills of the research activities”

Qualification (major) \_\_\_\_\_ 31.05.01 «General Medicine» \_\_\_\_\_  
(Qualification code, full name)

Medical faculty named by T.Z. Biktimirov

The course first

Type and way of carrying of practice (according with FSES): stationary, practice on reception of primary professional skills, including primary skills of research activity

Information about developers:

Full name	Abbreviation of Department	Academic degree, title
Gnoevikh V.V.	Propedeutics of internal diseases	DSc, Chair of the department
Smirnova A. Yu.	Propedeutics of internal diseases	PhD, senior Lecturer
Chernova N.G.	Propedeutics of internal diseases	-
Makarov S.V.	General and operative surgery with topographic anatomy and the course of dentistry	PhD, senior Lecturer



Date of introduction into the academic process at Ulyanovsk State University 01.09.2018


Revised at the Department meeting, Record No. \_\_\_\_\_ of « \_\_\_\_\_ » 20 \_\_\_\_\_

Revised at the Department meeting, Record No. \_\_\_\_\_ of « \_\_\_\_\_ » 20 \_\_\_\_\_

Revised at the Department meeting, Record No. \_\_\_\_\_ of « \_\_\_\_\_ » 20 \_\_\_\_\_

Revised at the Department meeting, Record No. \_\_\_\_\_ of « \_\_\_\_\_ » 20 \_\_\_\_\_

AGREED	AGREED
Chair of the department of general and operative surgery with topographic anatomy and the course of dentistry	Chair of the department of propedeutics of internal diseases
 _____ (Подпись) Smolkina A.V. / (ФИО) «20» 06 2018 г.	 _____ (Подпись) Gnoevikh V.V. / (ФИО) «20» 06 2018 г.

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## The block of care of therapeutic patients

### 1. The course aims and objectives

**Aim of the Course** is forming professional skills for therapeutic patient care, reception of the first experience of professional activity in conditions training center of medical technology, and also developing competencies necessary for working in medical field.

#### Objectives:

- studying of checks - sheets with the subsequent development of practical skills (according to the list) in conditions training center of medical technology;
- familiarity with the organization of a sanitary mode and the organization of work of admission department and therapeutic department of the hospital;
- familiarity with rules of care of therapeutic patients;
- analysis of scientific literature and preparation of papers on contemporary issues of care for therapeutic patients.

### 2. Place of the course in the curriculum

2.1 The program B2.V.1 «Training practice Care of the therapeutic and surgical patients. Primary skills of the research activities» is made in accordance with the requirements of the federal state educational standard of higher professional education for specialty "General Medicine" and concerns to the block of educational practice B2 « Practices, including research work».


2.2 Study questions training practice is carried out in the 2st semester of 1st year. Anatomy, biology and chemistry are the previous disciplines necessary for studying of this course.

2.3 Sections of discipline and interdisciplinary communications with provided and subsequent disciplines: practices, propedeutics of internal diseases, anesthesiology, reanimation and intensive therapy, faculty therapy, oncology, radiation therapy, hospital therapy.


### 3. Proposed results

**The course is aimed at the following competences:**


№ п/ п	Index of the competences	The contents of the competences	As a result of the training practice course the student must		
			know	able to	own to
1.	<b>GPC-10</b>	The willingness to organize care for patients and provide primary pre-hospital health care	<ul style="list-style-type: none"> <li>- organization of work and structure of (medical institutions) health care facilities;</li> <li>- features of working the admissions office and specialized care units;</li> <li>- the guidelines of personal hygiene</li> </ul>	<ul style="list-style-type: none"> <li>-divide patients on department;</li> <li>- care for febrile patients;</li> <li>-gastric lavage making (a model)</li> </ul>	<ul style="list-style-type: none"> <li>- the method of hygienic treatment of hands;</li> <li>- the method of temperature measurement and is graphically reflected in the temperature sheet.</li> <li>- method of</li> </ul>

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			<p>and methods of its implementation;</p> <ul style="list-style-type: none"> <li>-technics of cleaning chambers, airings of chambers, technics of the current and final disinfection;</li> <li>-first pre-medical aid for bronchial asthma attack, pulmonary bleeding;</li> <li>- first pre-medical aid for angina pectoris, hypertensive crisis, cardiac asthma, myocardial infarction;</li> <li>- first pre-medical aid for anaphylactic shock.</li> </ul>		<p>weighing patients, measuring height and recording indicators;</p> <ul style="list-style-type: none"> <li>- the method of gastric lavage (a model).</li> </ul>
2.	<b>GPC-11</b>	<p>The willingness to use medical devices stipulated order of rendering of medical aid</p>	<ul style="list-style-type: none"> <li>- rules and methods of transporting patients to the hospital;</li> <li>-rules for handling and storage of thermometers filling out temperature sheets, types of fevers;</li> <li>- rules for storage and discharge of medicines;</li> <li>-the technique of enteral and parenteral ways of introduction of drugs, complications of parenteral ways of introduction of medicines;</li> <li>- rules of measuring blood pressure; laboratory diagnostic methods, rules of collection</li> </ul>	<ul style="list-style-type: none"> <li>-to transport patients to the hospital;</li> <li>- measure body temperature and is graphically reflected in the temperature sheet.</li> <li>-to carry out the simplest physiotherapeutic manipulation;</li> <li>-to quantify respiratory motion and to estimate the result;</li> <li>-to measure arterial pressure, to investigate the pulse on peripheral arteries;</li> <li>- to conduct a cleansing, medicinal enemas (a model).</li> </ul>	<ul style="list-style-type: none"> <li>- rules and methods of transporting patients to the hospital;</li> <li>-the method of treatment of patients with lice</li> <li>- the skill of applying the aerosol and dry powder inhaler;</li> <li>- method of nebulizers;</li> <li>-the method of disinfection of medical objects and products (thermometers, therapeutic tools, the medical equipment, disposable systems after use, tourniquet for a fence of blood, the sanitary-and-</li> </ul>

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			<p>of biological materials in the respiratory diseases and cardiovascular diseases.</p>		<p>hygienic equipment, tips for enema, probes etc.);          -the collection of syringes, droppers, taking medicine from ampoule;          -taking medicine from bottle;          -removing air from the syringe;          - carrying out intradermal injection (a model);          - carrying out subcutaneous injection (a model);          - carrying out intramuscular injection (a model);          -sequence of the tourniquet before venipuncture (model);          - carrying out intravenous injection (a model);          - venipuncture for blood sampling for tests (a model);          -preparation (filling) of the system for intravenous infusion;          - filling and exhausting air from the system for intravenous infusion;          - carrying out intravenous infusion (a model).</p>
3.	<b>PC- 21</b>	Readiness for analysis and public presentation of medical	<p>-evidence-based medicine;          - the sources of obtaining scientific</p>	<p>- to work with literature;          -to summarize the material;</p>	<p>-methods of scientific information retrieval methods of in-</p>

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		information on the basis of evidence-based medicine	information; -basic information of medical database ("IPRbooks" (www.iprbookshop.ru); ELS "Consultant of a student" (www.studmedlib.ru); - rules for compiling and formatting bibliographic list (GOST 7.1— 84 (Bibliographic description of the document. General requirements and rules); - the stages of the study of literary sources; - methods of information processing.	-to identify problems; - make your own reasoned conclusions; -to execute work in accordance with the requirements.	formation processing; -basic techniques for working with scientific and methodological literature on the research problem; -writing and design essay.
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### The list of the practical skills

1. Treatment of patients with pediculosis
2. Transportation of patients
3. General and current cleaning in the therapeutic Department
4. Anthropometry
5. Thermometry
6. Taking biological material (blood, sputum) for laboratory studies
7. Setting warming compresses, the use of the bladder with ice and heating pads
8. Storage, unfolding and distribution of medicines for oral use
9. Collection of syringes, collection of medicines from ampoules, collection of droppers
10. Intracutaneous, subcutaneous, intramuscular, intravenous injection, drip medicines.
11. Calculation of respiratory movements of the patient
12. The study of the pulse
13. Measurement of blood pressure
14. Gastric lavage
15. Enema
16. Using the aerosol and dry powder inhalers
17. The use of nebulizers
18. Principles of first aid in case OF BA attack
19. Principles of first aid for pulmonary bleeding

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20. Principles of first aid in anaphylactic shock
21. Principles of first aid in case of angina attack, cardiac asthma
22. Principles of first aid in hypertensive crisis
23. Principles of first aid for vomiting

#### 4. Place and date of the practice

Practical training is conducted in the 2nd semester at training center for medical technology of medical faculty and training rooms of the Institute of Medicine, Ecology and Physical Culture USU.

#### 5. Content of practice


The total complexity of course is 3 credits, 108 hours.

Dispersed part of practice is carried out during all second semester of 108 hours. Including the block of care of therapeutic patients 54 hours.


#### 6. Structure and content of the practice

##### 6.1 Dispersed part of practice: care for therapeutic patients (54 hours).

№ п/п	Name of sections and themes	Types of study in practice, including independent work of students	Quantity of Hours		The form of control
			con- tact work	Self- work	
1	Medicines and methods of their application	General rules for the use of medicines. Methods of administration of medicine. The collection of syringes, making medicines from vials, collection of IVS. In/m, subcutaneous, intravenous, intravenous injection, drip medicines. Complications of injections. Principles of first aid in anaphylactic shock.	2	4	Testing, the decision of situational tasks, the control of a diary
2	Medical application of the simplest professional skills. Enemas. Gastric lavage.	Blood pressure measurement. Study of arterial pulse and counting the frequency of respiratory movements. Heating pad, ice packs, hot	2	4	Testing, the decision of situational tasks, the

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		compresses. Enemas. Gastric lavage. Help the patient with vomiting.			control of a diary
3	Medicines and methods of their application. Simple physical therapy. The technique of applying of medical devices used to care for patients in a therapeutic clinic are: heating pad, ice packs, compresses.	Development of practical skills training center of medical technology.	2	4	Testing, check-sheet, the control of a diary
4	The technique of gastric lavage. Methods of cleaning enemas. Device for the production of cleansing enemas (mug douches). General concepts of its use. Measurement of blood pressure, examination of arterial pulse, and calculating the frequency of respiratory movements.	Development of practical skills training center of medical technology.	2	4	Testing, check-sheet, the control of a diary
5	Sanitary and hygienic regime and organization of work of the reception and therapeutic departments of the hospital	Medical record. Thermometry. Anthropometry. Transportation of patients	2	4	Testing, the decision of situational tasks, the control of a diary
6	Monitoring and care of patients with respiratory diseases.	The main symptoms of diseases of the respiratory system. First aid for bronchial asthma attacks. The method of using a pocket inhaler in case of a suffocation attack. The use of nebulizers. Oxygen therapy. Principles of first aid for pulmonary bleeding.	2	6	Testing, the decision of situational tasks, the control of a diary
7	Monitoring and care of patients with diseases of the cardiovascular system.	Arterial pulse and its properties. Rules for measuring blood pressure. Classification of blood pressure levels. Symptoms of major dis-	2	6	Testing, the decision of situational tasks, the

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		eases of the cardiovascular system. Principles of first aid in case of angina attack, myocardial infarction, cardiac asthma, hypertensive crisis.			control of a diary
8	Fundamentals of scientific research.	Principles of work and analysis of scientific literature.	2	4	Testing, writing report
9	CREDIT		2		
	Total		18	36	Testing, interview, the final control of a diary

### 7. Research and scientific production technologies used in practice

**Research technologies:** thematic search and studying of the special medical literature by preparation, a writing of the report

**Scientific production technology** is not provided in this practice

### 8. Form of interim certification by the end of practice

Test with a mark.

### 9. Course resources

#### List of recommended literature:

##### a) Core reading:

1. Smirnova, A. Yu. Patients care with internal diseases. Course of training practice : textbook of medicine for medicine faculty students / Smirnova A. Yu., V. V. Gnoevykh ; Ulyanovsk State University, Institute of Medicine, Ecology and Physical culture. - Ulyanovsk : ULSU, 2016. - 108 с.

##### b) Supplementary reading:


Perry, Anne G. Clinical nursing skills & techniques / Perry Anne G., P. A. Potter, W. R. Ostendorf. - 8th ed. - London : Elsevier, 2014. - 1196 p.

c) **Software:** is not provided in this practice

##### d) Professed data base, directory and search systems:

1. ABS "IPRbooks" ([www.iprbookshop.ru](http://www.iprbookshop.ru)).
2. ELS "Consultant of a student" ([www.studmedlib.ru](http://www.studmedlib.ru)).



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## 10. Material support of practice

### 10.1 List of facilities necessary for conduct of training practice:

Training rooms training center for medical technology, training rooms of the Institute of Medicine, Ecology and Physical Culture USU.


### 10.2 List of equipment necessary for the conduct of training practice

№	Name
1	Tonometer
2	Gastric tube
3	Warmer
9	Ice bags
10	Vaseline
11	Mug Esmarch, enema tips
12	Tourniquet
13	Tray
14	Scissors
15	Simulator for the production of enemas and intramuscular injections
16	Simulator for gastric lavage
17	Syringe Janet
18	Disposable syringes of different volume and diameter of the needle
19	Consumable medical material (cotton wool, bandages, etc.)
20	Disposable system for the on/in infusion, tripod
21	Simulator for holding in/in, in/m, s/c injection

Training films of the department for practical skills:

1. Training film «Gastric lavage», 2018.
2. Training film «Inspection and palpation of the vessels, counting frequency of respiratory movements, measurement of blood pressure», 2018.
3. Training film «Intradermal injection», mounted
4. Training film «Subcutaneous injection», mounted
5. Training film «Intramuscular injection», mounted
6. Training film «Intravenous injection», mounted
7. Training film «Intravenous infusion», mounted
8. Training film «The method of applying warmer», mounted
9. Training film «Wet compress», mounted
10. Training film «The method of applying cleansing enema», mounted

In preparation of training films have taken part the next teacher of the department of propedeutics of internal diseases Institute of Medicine, Ecology and Physical Culture USU: Chair, Dsc Gnoevikh V.V., senior Lecturer, PhD Smirnova A.Yu, senior teacher, PhD Domashevskya N.V., senior teacher Shorokhova Y.A., assistant Chernova N.G.


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*The application*


**Fund of evaluating tools for training practice “Care of the therapeutic and surgical patients. Primary skills of the research activities”**

*1. The course is aimed at development of the following competences:*


№ п/ п	Index of the competences	The contents of the competences	As a result of the training practice course the student must		
			know	able to	own to
1.	<b>GPC-10</b>	The willingness to organize care for patients and provide primary pre-hospital health care	<ul style="list-style-type: none"> <li>- organization of work and structure of (medical institutions) health care facilities,</li> <li>- features of working the admissions office and specialized care units;</li> <li>- the guidelines of personal hygiene and methods of its implementation;</li> <li>-technics of cleaning chambers, airings of chambers, technics of the current and final disinfection;</li> <li>-first pre-medical aid for bronchial asthma attack, pulmonary bleeding;</li> <li>- first pre-medical aid for angina pectoris, hypertensive crisis, cardiac asthma, myocardial infarction;</li> <li>- first pre-medical aid for anaphylactic shock.</li> </ul>	<ul style="list-style-type: none"> <li>-divide patients on department;</li> <li>- care for febrile patients;</li> <li>-gastric lavage making (a model)</li> </ul>	<ul style="list-style-type: none"> <li>- the method of hygienic treatment of hands;</li> <li>- the method of temperature measurement and is graphically reflected in the temperature sheet.</li> <li>- method of weighing patients, measuring height and recording indicators;</li> <li>- the method of gastric lavage (a model).</li> </ul>
2.	<b>GPC-11</b>	The willingness to use medical devices stipulated order of rendering of medical aid	<ul style="list-style-type: none"> <li>- rules and methods of transporting patients to the hospital;</li> <li>-rules for handling and storage of</li> </ul>	<ul style="list-style-type: none"> <li>-to transport patients to the hospital;</li> <li>- measure body temperature and is graphically</li> </ul>	<ul style="list-style-type: none"> <li>- rules and methods of transporting patients to the hospital;</li> <li>-the method of treatment of pa-</li> </ul>

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			<p>thermometers filling out temperature sheets, types of fevers;</p> <ul style="list-style-type: none"> <li>- rules for storage and discharge of medicines;</li> <li>- rules for storage and discharge of medicines:</li> </ul> <p>the technique of enteral and parenteral ways of introduction of drugs, complications of parenteral ways of introduction of medicines;</p> <ul style="list-style-type: none"> <li>- rules of measuring blood pressure;</li> </ul> <p>laboratory diagnostic methods, rules of collection of biological materials in the respiratory diseases and cardiovascular diseases.</p>	<p>reflected in the temperature sheet.</p> <ul style="list-style-type: none"> <li>-to carry out the simplest physiotherapeutic manipulation;</li> <li>-to quantify respiratory motion and to estimate the result;</li> <li>-to measure arterial pressure, to investigate the pulse on peripheral arteries;</li> <li>- to conduct a cleansing, medicinal enemas (a model).</li> </ul>	<p>tients with lice</p> <ul style="list-style-type: none"> <li>- the skill of applying the aerosol and dry powder inhaler;</li> <li>- method of nebulizers;</li> <li>-the method of disinfection of medical objects and products (thermometers, therapeutic tools, the medical equipment, disposable systems after use, tourniquet for a fence of blood, the sanitary-and-hygienic equipment, tips for enema, probes);</li> <li>-the collection of syringes, droppers, taking medicine from ampoule;</li> <li>-taking medicine from bottle;</li> <li>-removing air from the syringe;</li> <li>- carrying out intradermal injection (a model);</li> <li>- carrying out subcutaneous injection (a model);</li> <li>- carrying out intramuscular injection (a model);</li> <li>-sequence of the tourniquet before venipuncture (model);</li> <li>- carrying out intravenous injection (a model);</li> </ul>
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					<ul style="list-style-type: none"> <li>- venipuncture for blood sampling for tests (a model);</li> <li>-preparation (filling) of the system for intravenous infusion;</li> <li>- filling and exhausting air from the system for intravenous infusion;</li> <li>- carrying out intravenous infusion (a model).</li> </ul>
3.	<b>PC- 21</b>	Readiness for analysis and public presentation of medical information on the basis of evidence-based medicine	<ul style="list-style-type: none"> <li>-evidence-based medicine;</li> <li>- the sources of obtaining scientific information;</li> <li>-basic information of medical database ("IPRbooks" (<a href="http://www.iprbookshop.ru">www.iprbookshop.ru</a>); ELS "Consultant of a student" (<a href="http://www.studmedlib.ru">www.studmedlib.ru</a>);</li> <li>- rules for compiling and formatting bibliographic list (GOST 7.1— 84 (Bibliographic description of the document. General requirements and rules);</li> <li>- the stages of the study of literary sources;</li> <li>- methods of information processing.</li> </ul>	<ul style="list-style-type: none"> <li>- to work with literature;</li> <li>-to summarize the material;</li> <li>-to identify problems;</li> <li>- make your own reasoned conclusions;</li> <li>-to execute work in accordance with the requirements.</li> </ul>	<ul style="list-style-type: none"> <li>-methods of scientific information retrieval</li> <li>methods of information processing;</li> <li>-basic techniques for working with scientific and methodological literature on the research problem;</li> <li>-writing and design essay.</li> </ul>


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## 2. Passport of the fund of evaluating tools for training practice


№ п/ п	Controlled section	Index of the controlled competency	Evaluating tools		The technology of assessment
			name	№№ tasks	
1.	Medicines and methods of their application	GPC-11 (to know)	test	1, 3-7, 9-11, 15-19, 21, 24-30	To look criteria and evaluation scale
		GPC-11 (to be able)	test	2, 8, 12-14, 20, 22-23	-/-
		GPC-11 (to own)	Situational task	1-3	-/-
		GPC-11 (to be able)	Situational task	4-6	-/-
2.	Medical application of the simplest professional skills. Enemas. Gastric lavage.	GPC-11 (to know)	test	1-3, 6-7, 10, 12-13, 15-17, 19-20, 22, 25-26, 28-30	-/-
		GPC-11 (to be able)	test	4-5, 8-9, 11, 14, 18, 21, 23-24	-/-
		GPC-10 (to be able)	test	27	-/-
		GPC-11 (to own)	Situational task	1-6	-/-
		GPC-10 (to be able)	Situational task	7-9	-/-
		GPC-11 (to be able)	Situational task	10-11	-/-

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3.	Medicines and methods of their application. Simple physical therapy. The technique of applying of medical devices used to care for patients in a therapeutic clinic are: heating pad, ice packs, compresses.	GPC-11 (to know)	test	1, 3-6, 8-9, 12-15, 18-19, 22-25, 29-30	-/-
		GPC-10 (to be able)	test	7	-/-
		GPC-11 (to be able)	test	2, 10-11, 16-17, 20-21, 26-28	-/-
		GPC-11 (to own)	Situational task	1-8	-/-
4.	The technique of gastric lavage. Methods of cleaning enemas. Device for the production of cleansing enemas (mug douches). General concepts of its use. Measurement of blood pressure, examination of arterial pulse, and calculating the frequency of respiratory movements.	GPC-11 (to know)	test	1, 4-5, 7-8, 10-11, 13-15, 19, 21-30	-/-
		GPC-10 (to know)	test	2, 6, 18, 20	-/-
		GPC-11 (to be able)	test	9, 12	-/-
		GPC-10 (to be able)	test	3, 16-17	-/-
		GPC-10 (to own)	Situational task	1	-/-
		GPC-11 (to own)	Situational task	2-3	-/-


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5.	Sanitary and hygienic regime and organization of work of the reception and therapeutic departments of the hospital.	GPC-10 (to know)	test	1-3, 7-9, 16-19, 21-22	--/
		GPC-11 (to know)	test	10-11, 14-15, 23-25, 28-29	--/
		GPC-10 (to be able)	test	4-6, 13, 20	--/
		GPC-11 (to be able)	test	12, 26-27, 30	--/
		GPC-10 (to be able)	Situational task	1-3	--/
		GPC-10 (to own)	Situational task	15-17	--/
		GPC-11 (to be able)	Situational task	4-6	--/
		GPC-11 (to own)	Situational task	7-14	--/
6.	Monitoring and care of patients with respiratory diseases.	GPC-10 (to know)	test	1-4, 8, 10, 13, 15, 22-23, 25-26	--/
		GPC-10 (to be able)	test	6-7, 9, 24	--/
		GPC-11 (to know)	test	5, 11-12, 14, 16-21, 27-29	--/
		GPC-11 (to be able)	test	30	--/
		GPC-11 (to own)	Situational task	1-2	--/

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		GPC-11 (to be able)	Situational task	3-4	--/
		GPC-10 (to be able)	Situational task	5-6	--/
7	Monitoring and care of patients with diseases of the cardiovascular system.	GPC-11 (to know)	test	1-3, 5-8, 13-15, 18, 26-30	--/
		GPC-10 (to know)	test	4, 9-12, 16-17, 19-22, 24-25	--/
		GPC-10 (to be able)	test	23	--/
		GPC-11 (to be able)	Situational task	1-3	--/
		GPC-10 (to be able)	Situational task	4-9	--/
8	Fundamentals of scientific research.	PC-21 (to know)	test	1-15, 30	--/
		PC-21 (to be able)	test	16-29	--/
		PC-21 (to own)	themes of reports	1-23	--/
		GPC-11 (to own)	themes of reports	3-6, 10-11, 16-18, 23	--/
		GPC-10 (to own)	themes of reports	1-2, 7-9, 12-15, 19-22	--/
9	Credit	GPC-10 (to know)	test	3, 14, 16, 22, 25-26, 29	--/
		GPC-10 (to be able)	test	12	--/
		GPC-11 (to	test	1-2, 4-	--/



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		know)		6, 8, 10-11, 13-14, 16-21, 23-24, 27-28, 30	
		GPC-11 (to be able)	test	7, 9, 15	-//-

### 3. Progress tests for training practice (GPC-10, GPC-11, PC-21)

**For example:**

#### **1. Care and first aid for asthma attack:**

1. To provide a horizontal position.
2. Take advantage of a handheld inhaler.
3. To use the peak flow meter.
4. To ensure a flow of fresh air.
5. Inhalation of oxygen.

#### **2. First aid in pulmonary hemorrhage:**

1. Take advantage of a handheld inhaler.
2. To give an elevated position.
3. To provide a horizontal position.
4. Ice pack on the chest.
5. A heating pad on the chest.


#### **3. What means the term "sanitary and anti-epidemic regime" in the hospital?**

1. Compliance with the diet.
2. The use of disinfectants in optimal concentrations.
3. Timely wet cleaning.
4. Observe the temperature.
5. The quartz treatment chambers.
6. The proper treatment.

#### **4. Types of medical institutions outpatient type:**

1. Hospital.
2. Clinic.
3. The health center.
4. An outpatient clinic.

#### **5. What kinds of regimes for patients in hospitals?**

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1. Outpatient.
2. Strict bed.
3. Outpatient.
4. Bed.
5. Nonstrict bed.
6. Free.

#### **6. How to transport a patient with myocardial infarction in the Department?**

1. On foot, accompanied by nurses.
2. By elevator.
3. Transportation on a stretcher
4. On the wheelchair.

#### **7. Types of fevers:**

1. Low-grade.
2. Constant.
3. Laxative.
4. Debilitating.
5. High.

#### **8. How to collect sputum for bacteriological examination and the sensitivity of microflora to antibiotics?**

1. In a clean glass jar.
2. Collect within 1-2 days up to 100 ml.
3. In a sterile Petri dish.
4. In a sterile tube.
5. In a sterile bowl.

#### **9. What do you need for gastric lavage?**


1. A thin probe.
2. Fat tube.
3. Squirt.
4. Glass funnel.
5. A jug of water.
6. Bucket.

#### **10. The injection site for subcutaneous injection:**

1. The outer surface of the shoulder and hip.
2. The inner surface of the shoulder and hip.
3. Subscapular region.
4. Lateral abdominal wall.

#### **11. Severe allergic reactions of the patient to the introduction of medicinal substances:**

1. angioedema

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2. anaphylactic shock
3. urticaria
4. redness of the skin

**12. The angle of the needle is injected at an intramuscular injection (in degrees)?**

1. 90
2. 60
3. 45
4. 5

**13. Enteral administration of drugs:**

1. through the digestive tract
2. through the respiratory tract
3. intradermally
4. on the skin

**14. Contraindications to the formulation of cleansing enemas:**

1. intestinal bleeding
2. flatulence
3. preparation for childbirth
4. the absence of the feces for more than two days (constipation)

**15. When conducting a cleansing enema, the patient should lie:**


1. On the back.
2. On the right side.
3. On the left side.
4. On the belly.
5. Accept any comfortable position for the patient.

**16. Indications for gastric lavage:**

1. food poisoning.
2. poisoning by medications taken internally.
3. ulcer bleeding.
4. bloating.

**17. When vomiting the nurse should:**

1. Put the patient on his back.
2. Seat.
3. To carry out the inhalation of oxygen.
4. Call a doctor immediately.
5. Administer intramuscularly metoclopramide.

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### 18. The cough happens in diseases:

1. Lungs.
2. Nose.
3. Some diseases of the heart.
4. Kidney.
5. The liver and gallbladder.

### 19. What is required for performances cleansing enemas:

1. Rubber bulb.
2. Water at room temperature.
3. Sunflower oil.
4. Bedpan.
5. The oilcloth.

### 20. There are the following methods of administration of drugs:


1. Gas.
2. Outer.
3. Internal.
- 4 Mixed.
5. Parenteral.

### 21. The main characteristics of asthma attack:

- 1)
- 2)
- 3)

### Criteria and evaluation scales:

- criteria of evaluation – the correct answers on the questions;
- an evaluation indicator – per cent of the correct answers on the questions;
- an evaluation scale (assessment) – 4 levels of evaluating competences are distinguished:  
**High (excellent)** – is more 80% of the correct answers;  
**Sufficient (good)** – from 60 to 80% of the correct answers;  
**Borderline (satisfactory)** – from 50 to 60% of the correct answers;  
**critical (unsatisfactorily)** – is less 50% of the correct answers.


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### Situational tasks (for example)

1. You need to make gastric lavage, according to check-sheet.

#### Evaluation sheet (check sheet) Conducting gastric lavage Simulation equipment: a simulator for gastric lavage

№	Step	Check that the Yes(1)/no(0)
1.	Greet the patient, ask the patient, comparing with medical records, his/her surname, name, age. To inquire about the health of the patient	
2.	To introduce themselves, indicate your role	
3.	To inform the patient about the procedure and obtain medical informed consent to perform the procedure	
4.	To treat hands in a hygienic way	
5.	To seat a patient in a long oilcloth apron on a chair, to put a basin on the floor.	
6.	To remove all foreign bodies from a mouth (chewing-gum, dental prosthesis) before a procedure	
7.	To determine the required length of the probe (to measure the distance from lip to earlobe, then down the anterior abdominal wall to the lower edge of the xiphoid process)	
8.	To mark the probe point found	
9.	To put on gloves and oilcloth apron for yourself	
10.	To get out of the package sterile probe	
11.	To lubricate the blind end of the probe with vaseline	
12.	To stand to the right from a patient, to take a wet tube into a right hand within 10-15 cm from its rounded end	
13.	To ask patient to open a mouth	
14.	To introduce it into an open mouth, to put a tube end on the root of the tongue	
15.	To ask a patient to make a swallowing motion	
16.	To move a tube into a gullet at the same time.	
17.	To ask a patient to do several deep inhalations and simultaneously to move a tube deeper – up to a 40 cm mark from the tube head end (at cough, take a tube out and reinsert it). If it's impossible to insert a tube, to use a special method: to insert your forefinger into a patient's pharynx as deep as possible, press the root of the tongue and to insert a tube near a forefinger.	
18.	To connect a tube end with a funnel.	
19.	To hold a funnel on the level of patient's knees (quite often gastric content begins to excrete testifying the tube right position), to bend it a little	
20.	To fill a funnel with 1 liter of water	
21.	To lift it slowly higher than a patient's mouth for 25 cm	

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22.	As soon as water sinks down up to the opening, i.e. to the funnel neck (but water shouldn't completely leave a funnel), it's necessary to sink a funnel down up to a patient's knees level and wait until the funnel is filled with gastric content; when the funnel is filled with gastric content, pour it out into a basin	
23.	To repeat this procedure up to “clean water”.	
24.	To check that the volume of introduced fluid and the amount of wash water (must match)	
25.	To disconnect a funnel	
26.	To put out a tube quickly	
27.	To let the patient rinse the mouth with water	
28.	After finishing the manipulation of the waste material, tools and gloves are placed in a disinfected solution	
29.	To treat hands in a hygienic way	
30.	To make a mark in the medical records on the performed manipulations	
31.	<b>Unregulated actions</b>	
32.	Not identified the required length of the probe	
33.	The procedure of gastric lavage was performed 1 time	
34.	Introduced the probe with the patient standing	
35.	The opinion of the teacher	
36.	Other unregulated actions (number)	

2. You need to make cleansing enema, according to check-sheet.

Evaluation sheet (check sheet)  
Cleansing enema

Simulation equipment: a simulator for the production of enemas and intramuscular injections.

Number	Step	Check that the Yes(1)/no(0)
1.	To greet the patient	
2.	To introduce themselves, indicate their role	
3.	To ask the patient, comparing with medical records (surname, name, patronymic, age)	
4.	To inquire about the health of the patient	
5.	To inform the patient about the procedure and obtain consent to conduct	
6.	To treat hands in a hygienic way	
7.	To prepare all necessary equipment before the start of the manipulation:	
8.	To put on a mask, apron and gloves for yourself	
9.	To pour into a mug Esmarch pure water at room temperature	
10.	To hang a mug on a tripod at a height of 1 meter above the level of the patient's body	
11.	To open the tap	
12.	To fill tubes (long rubber and connecting) with water to avoid air	
13.	To close the tap	
14.	To put basin on the floor near the bed	


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15.	To put an oilcloth on the bed, to put a free end of the oilcloth in a basin in case the patient cannot keep water.	
16.	To lay a patient on the left recumbent position at the border of the bed and to suggest him to bend his knees, to move them to the stomach to relax the abdominal press.	
17.	Tell the patient to relax and breathe deeply through her mouth without straining	
18.	Lubricate the tip with vaseline	
19.	To move the buttocks apart with a left hand	
20.	To enter the tip firstly in the direction of the novel on 3-4 cm, secondly in parallel to coccyx on 7-8 cm long	
21.	To open the tap a little, watching for that water should not get into intestines too quickly as it can cause pain.	
22.	Close the tap	
23.	To take the tip out, having pressed the right buttock of the patient to left, so that the liquid does not get out from the rectum	
24.	To suggest the patient to detain whenever possible a desire of defecation during 5-10 minutes after the procedure	
25.	After finishing the manipulation of the waste material, tools and gloves are placed in a disinfected solution	
26.	Treating hands in a hygienic way	
27.	To make a mark in the medical records on the performed manipulations	
28.	<b>Unregulated actions</b>	
29.	The procedure was performed in the standing position	
30.	Haven't washed the hands before starting the procedure	
31.	The opinion of the teacher	
32.	Other unregulated actions (number)	

3. You need to make intradermal injection, according to check-sheet.

Evaluation sheet (check sheet)  
 Intradermal injection  
 Simulation equipment: trim on the arm (i\|d injection.)

Number of actions	Step	check that the Yes (1)/no(0)
1.	Greet the patient, ask the patient, comparing with medical records, his/her surname, name, age. To inquire about the health of the patient	
2.	To introduce themselves, indicate your role	
3.	To inform the patient about the procedure and obtain medical informed consent to perform the procedure	
4.	To treat hands in a hygienic way	
5.	To put on sterilized gloves	
6.	Ask the patient to take a comfortable position (the patient sits, the injection site is free from the clothes)	
7.	To check the prepared all necessary equipment before the start of the manipulation (prepared sterile tray with cotton balls and forceps; syringe of	


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	the required volume with 2 needles, 70% aq ethanol; tray for the used material).	
8.	To control prescription (to identity in the medical records about the name of drugs, dosage of drugs, route of administration of drugs)	
9.	To check the label on the syringe. Check the expiration date on the package. Do not use expired syringe.	
10.	To check the label on the ampoule to make sure that the right medicine is used. Check the expiration date on the ampoule. Do not use expired medicine.	
11.	To prepare the syringe	
12.	To open the ampoule with the medicine	
13.	To take the medicine from the ampoule	
14.	To change the needle	
15.	To remove air from syringe	
16.	To prepare the injection site by cleaning the area with an alcohol cotton ball twice.	
17.	To prepare drugs in a syringe (by thumb and index finger of the hand holding the syringe fix the needle cannula with the other hand to remove the needle cap)	
18.	To fix the site of injection: take the syringe in the dominant hand, the needle cut above, index finger fixes the cannula needle, the other fingers hold the syringe barrel. The second hand put around the outside of the forearm of the patient and fix the skin	
19.	The positioning of the syringe: bring the syringe needle to the injection site, the index finger on the cannula needle, cut needle facing upwards, the syringe is at an angle of 15° to the surface of the patient's forearm	
20.	To warn the patient to be patient	
21.	To produce a puncture: by one movement in the upward direction insert the needle at the length of the needle cut so that the cut shone through the skin, by the first attempt without touching the treated area with anything except the needle	
22.	To introduce the medicine	
23.	To remove the needle from the injection site. Apply pressure to the injection site with a dry, sterile cotton pad.	
24.	Disinfection and disposal of used material in waste class B	
25.	To take off the gloves. Disinfection and disposal of gloves in class B	
26.	To treat hands in a hygienic way	
	<b>Unregulated actions</b>	
1.		
2.		
3.		


4. You need to make subcutaneous injection, according to check-sheet.

Evaluation sheet (check sheet)  
 Subcutaneous injection  
 Simulation equipment: trim on the arm (s/c injection.)



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Number of actions	Step	Check that the Yes(1)/no(0)
1.	Greet the patient, ask the patient, comparing with medical records, his/her surname, name, age. To inquire about the health of the patient	
2.	To introduce themselves, indicate your role	
3.	To inform the patient about the procedure and obtain medical informed consent to perform the procedure	
4.	To treat hands in a hygienic way	
5.	To put on sterilized gloves	
6.	Ask the patient to take a comfortable position (the patient sits, the injection site is free from the clothes)	
7.	To check the prepared all necessary equipment before the start of the manipulation (prepared sterile tray with cotton balls and forceps; syringe of the required volume with 2 needles, 70% aq ethanol; tray for the used material).	
8.	To control prescription (to identity in the medical records about the name of drugs, dosage of drugs, route of administration of drugs)	
9.	To check the label on the syringe. Check the expiration date on the package. Do not use expired syringe.	
10.	To check the label on the ampoule to make sure that the right medicine is used. Check the expiration date on the ampoule. Do not use expired medicine.	
11.	To prepare the syringe	
12.	To open the ampoule with the medicine	
13.	To take the medicine from the ampoule	
14.	To change the needle	
15.	To remove air from syringe	
16.	To prepare the injection site by cleaning the area with an alcohol cotton ball twice.	
17.	To prepare drugs in a syringe (by thumb and index finger of the hand holding the syringe fix the needle cannula with the other hand to remove the needle cap)	
18.	To fix the site of injection: take the syringe in the dominant hand, the needle cut above, index finger fixes the cannula needle, the other fingers hold the syringe barrel. Pinch up the skin gently at the injection site with a free hand.	
19.	The positioning of the syringe: bring the syringe needle to the injection site, the index finger on the cannula needle, cut needle facing upwards, holding the syringe at a right <b>angle (45°)</b> to the site	
20.	To warn the patient to be patient	
21.	To produce a puncture: insert the needle using a quick smooth motion at the base of the skin fold at the depth of 15 mm, by the first attempt without touching the treated area with anything except the needle	
22.	To introduce the medicine	
23.	To remove the needle from the injection site	

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24.	To apply pressure to the injection site with a dry, sterile gauze pad.	
25.	To remove the needle from the injection site. Apply pressure to the injection site with a dry, sterile gauze pad.	
26.	Disinfection and disposal of used material in waste class B	
27.	To take off the gloves. Disinfection and disposal of gloves in class B	
28.	To treat hands in a hygienic way	
	<b>Unregulated actions</b>	
1.		
2.		
3.		


5. You need to make intramuscular injection, according to check-sheet.

#### Evaluation sheet (check sheet)

#### Intramuscular injection

Simulation equipment: a simulator for the production of enemas and intramuscular injections.

Number of actions	Step	check that the Yes (1)/no(0)
1.	Greet the patient, ask the patient, comparing with medical records, his/her surname, name, age. To inquire about the health of the patient	
2.	To introduce themselves, indicate your role	
3.	To inform the patient about the procedure and obtain medical informed consent to perform the procedure	
4.	To treat hands in a hygienic way	
5.	To put on sterilized gloves	
6.	Ask the patient to take a comfortable position (the patient sits, the injection site is free from the clothes)	
7.	To check the prepared all necessary equipment before the start of the manipulation (prepared sterile tray with cotton balls and forceps; syringe of the required volume with 2 needles, 70% aq ethanol; tray for the used material).	
8.	To control prescription (to identity in the medical records about the name of drugs, dosage of drugs, route of administration of drugs)	
9.	To check the label on the syringe. Check the expiration date on the package. Do not use expired syringe.	
10.	To check the label on the ampoule to make sure that the right medicine is used. Check the expiration date on the ampoule. Do not use expired medicine.	
11.	To prepare the syringe	
12.	To open the ampoule with the medicine	
13.	To take the medicine from the ampoule	
14.	To change the needle	
15.	To remove air from syringe	
16.	To prepare the injection site by cleaning the area with an alcohol cotton ball twice.	
17.	To prepare drugs in a syringe (by thumb and index finger of the hand	


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	holding the syringe fix the needle cannula with the other hand to remove the needle cap)	
18.	To fix the site of injection: take the syringe in the dominant hand, the needle cut above, by little finger fixe the cannula needle, the other fingers hold the syringe barrel. Stretch a patient’s skin by 2 fingers of the left hand in the place of the injection.	
19.	The positioning of the syringe: bring the syringe needle to the injection site, the little finger on the cannula needle, cut needle facing upwards, holding the syringe at a right <b>angle (90°)</b> to the site (The outer upper quadrant of the buttocks)	
20.	To warn the patient phrase about the need to be patient	
21.	To produce a puncture: insert the needle using a quick smooth motion at a right <b>angle (90°)</b> at the length 2/3 of the needle	
22.	To introduce the medicine	
23.	To remove the needle from the injection site. Apply pressure to the injection site with a dry, sterile cotton pad.	
24.	Disinfection and disposal of used material in waste class B	
25.	To take off the gloves Disinfection and disposal of gloves in class B	
26.	To treat hands in a hygienic way	
	<b>Unregulated actions</b>	
1.		
2.		
3.		


6. You need to make intravenous injection, according check-sheet.

Evaluation sheet (check sheet)  
 Intravenous injection  
 Simulation equipment: simulator-arm for intravenous injection.

Number of actions	Step	check that the Yes(1)/no(2)
1.	Greet the patient, ask the patient, comparing with medical records, his/her surname, name, age. To inquire about the health of the patient	
2.	To introduce themselves, indicate your role	
3.	To inform the patient about the procedure and obtain medical informed consent to perform the procedure	
4.	To treat hands in a hygienic way	
5.	To put on sterilized gloves	
6.	To ask the patient to take a comfortable position (the patient sits, the injection site is free from the clothes)	
7.	To check the prepared all necessary equipment before the start of the manipulation (prepared sterile tray with cotton balls and forceps; syringe of the required volume with 2 needles, 70% aq ethanol; tray for the used material).	
8.	To control prescription (to identity information on the ampoule and packaging of ampoules and in the medical records about the name of	

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	drugs, dosage of drugs, route of administration of drugs)	
9.	To check the label on the syringe. Check the expiration date on the package. Do not use expired syringe.	
10.	To check the label on the ampoule to make sure that the right medicine is used. Check the expiration date on the ampoule. Do not use expired medicine. Inspect medication for any discoloration. Do not use if it is discolored.	
11.	To prepare the syringe	
12.	To open the ampoule with the medicine	
13.	To take the medicine from the ampoule	
14.	To change the needle	
15.	To remove air from syringe	
16.	To position the patient’s arm extended with little or no flexion at the elbow.	
17.	To apply the tourniquet around the arm approximately 10 cm above the cubital fossa with enough tension so that the VEIN but not the ARTERY is compressed.	
18.	To fill the vein by massaging the arm with an upward motion to force blood into the vein. To ask a patient sometimes squeezes and unclenches his fist for improvement of vein filling.	
19.	To locate a prominent vein by palpation.	
20.	To prepare the injection site by cleaning the area with an alcohol cotton ball twice.	
21.	Fixing the site of injection: take the syringe in the dominant hand, the needle cut above, index finger fixes the cannula needle, the other fingers hold the syringe barrel. Pinch up the skin gently at the injection site with a free hand.	
22.	The positioning of the syringe: bring the syringe needle to the injection site, the index finger on the cannula needle, cut needle facing upwards, the syringe is at an angle of 15° to the surface of the patient's forearm	
23.	To warn the patient to be patient	
24.	To puncture the skin above the vein and the walls of the vein itself	
25.	To correct needle of the syringe parallel to the surface of the patient's forearm. To insert the needle further into the vein for 10-15 mm	
26.	To be convinced, that a needle is in vein, it is necessary to pull the syringe plunger on itself slightly - in the cylinder of a syringe blood should appear	
27.	When blood appeared in a syringe to untie the tourniquet by the left hand pulling for one of the free ends of the tourniquet, and also to ask a patient to unclench his fist.	
28.	To repeat the pulling the syringe plunger on itself slightly to be convinced, that a needle is in vein	
29.	To introduce the medicine	
30.	To remove the needle from the injection site.	
31.	To overlay the bandage	
32.	Disinfection and disposal of used material in waste class B	

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33.	To take off the gloves Disinfection and disposal of gloves in class B	
34.	To treat hands in a hygienic way	
1.	<b>Unregulated actions</b>	
2.		
3.		
4.		


7. You need to make intravenous infusion, according check-sheet.

### Evaluation sheet (check sheet)

#### Intravenous infusion

Simulation equipment: simulator-arm for intravenous injection.

Number of actions	Step	check that the Yes(1)/no(2)
1.	Greet the patient, ask the patient, comparing with medical records, his/her surname, name, age. To inquire about the health of the patient	
2.	To introduce themselves, indicate your role	
3.	To inform the patient about the procedure and obtain medical informed consent to perform the procedure	
4.	To treat hands in a hygienic way	
5.	To put on sterilized gloves	
6.	Ask the patient to take a comfortable position (the patient sits, the injection site is free from the clothes)	
7.	To check the prepared all necessary equipment before the start of the manipulation (prepared sterile tray with cotton balls and forceps; syringe of the required volume with 2 needles, 70% aq ethanol; tray for the used material).	
8.	To control prescription (to identity in the medical records about the name of drugs, dosage of drugs, route of administration of drugs)	
9.	To check the label on the syringe. Check the expiration date on the package. Do not use expired syringe.	
10.	To unpack the bottle, prepare the system for intravenous drop infusion	
11.	To position a patient so that the vein is easily accessible and you are able to perform the venepuncture in a comfortable position. To position the patient's arm extended with little or no flexion at the elbow.	
12.	To perform venepuncture. To be convinced, that a needle is in vein,	
13.	To remove or open the clip system for regulating the speed of introduction of liquid	
14.	Adjust the infusion rate (the number of drops per minute)	
15.	To fix a needle to the skin with an adhesive plaster	
16.	To close the needle from the top with sterile towel	
17.	To remove the needle from the injection site	
18.	To overlay the bandage	
19.	To dispose systems for intravenous infusion	
20.	Disinfection and disposal of used material in waste class B	
21.	To take off the gloves Disinfection and disposal of gloves in class B	


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22.	To treat hands in a hygienic way	
	<b>Unregulated actions</b>	
1.		
2.		
3.		

8. You need to make measurement of blood pressure, inspection and palpation vessels, according check-sheets.

*Checklist of the skill "Blood pressure Measurement"*  
*Equipment: volunteer, stethoscope, sphygmomanometer*

№	Step	Check that the Yes(1)/no(0)
1.	Greet the patient	
2.	To offer the patient to sit on a chair	
3.	To introduce themselves, indicate their role	
4.	Ask the patient, checking with medical records: name, surname, age	
5.	Refer to patient by name	
6.	To inquire about the health of the patient	
7.	Ask questions about the following actions sovershennyh for 30 minutes before measurement: about Smoking, intense physical exertion, medications, the use of coffee, taking food, alcohol	
8.	Ask (if necessary to help) the patient to take the required position for the procedure, ask the bare hand and to clarify that: the patient comfortable, relaxed and not crossed legs, feet on the floor, the emphasis back on the back of a chair, hand lies on the surface at heart level, palm faces upwards, breathing calm	
9.	Measure the diameter of the shoulder	
10.	Choose the suitable size cuff	
11.	To test the tonometer, filling cuffs and visualization of mobility of the arrow pressure gauge	
12.	To expose the arm and apply the cuff of the tonometer on 2-2,5 cm above the cubital fossa (clothes should not squeeze the shoulder above the cuff) : to correctly place cuff on arm, to pin the cuff so that under it and freely held 2 fingers	
13.	Install a monometer in position for his observations	
14.	With one hand to find the place of pulsation of the radial artery	
15.	Second hand close the valve (valve) pears in a clockwise direction and pump air until the disappearance of the pulsation of the radial artery	
16.	To voice the readings (normal variant) and pull the air	
17.	Use the stethoscope: a membrane which is placed at the lower edge of the cuff over the brachial artery projection, to avoid creating a significant pressure on the skin, head of the stethoscope is not under the cuff	
18.	Second hand close the valve (valve) pears (clockwise) and quickly	


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	pump air into the cuff to a level exceeding 30 mm of mercury. the result obtained by palpation test	
19.	Open the valve (valve) pear and slowly deflate the cuff,	
20.	the speed of lowering of the pressure in the cuff 2 - 3 mm Hg. article in a second	
21.	watch the manometer, listening to the tones	
22.	To listen to pressure reduction in smear to zero	
23.	To inform the patient the result of the study, referring to the two digits corresponding to the time (BP sit) and disappearance (BP diast) tones	
24.	Repeat the measurement on the second hand	
25.	Re-clarification of the condition of the patient at the end of the procedure	
26.	Thank the patient, to say that one can wear to announce that You have finished and will now prepare a written report of its results	

*A check-list of skills "Inspection and palpation of the vessels"*

*Equipment: volunteer*

№	Step	Check that the Yes(1)/no(0)
1.	Greet the patient	
2.	To offer the patient to sit on a chair	
3.	To introduce themselves, indicate their role	
4.	Ask the patient, checking with medical records: name, surname, age	
5.	Refer to patient by name	
6.	To inquire about the health of the patient	
7.	Inform the patient about the procedure of inspection and get approval for it	
8.	Treating hands in a hygienic manner before the beginning of the manipulation	
9.	To offer the patient to lie on the couch (with our heads elevated at 45 degrees)	
10.	To say that you want to evaluate the color of the skin	
11.	Say that you want to assess the condition of the fingers of the patient	
12.	To put pressure on the tip of the nail of the hand of the patient to determine the capillary pulse	
13.	<b>Inspection of surface vessels</b>	
14.	Conduct a visual inspection of the jugular veins: Using the inspection light source is directed along the tangent to the body surface	
15.	Ask the patient to turn his head to the side	
16.	<b>Estimation of parameters of the pulse at the radial arteries:</b>	
17.	To palpate a pulse simultaneously on both radial arteries, to verify its symmetry	
18.	To continue the palpation of the radial artery in one hand	
19.	Keep at least three of your fingers in place of the projection of the	

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	radial artery, not less than 10 seconds, looking at the clock (to assess the rhythm, frequency, and content of the voltage pulse)	
20.	<b>Evaluation of frequency of inspiration movements:</b>	
21.	To evaluate the frequency of respiratory movements, continuing to pretend to measure the pulse at the radial artery	
22.	:second hand put on the stomach or chest of the patient, not less than 10 seconds, looking at his watch (count the number of breaths)	
23.	<b>Estimation of parameters of pulse on carotid arteries:</b>	
24.	To palpate the carotid pulse on one side	
25.	To palpate the pulse in the other carotid artery	
26.	Not to palpate the pulse at the same time on both carotid arteries	
27.	<b>Estimation of parameters of pulse on femoral arteries:</b>	
28.	To palpate the pulse at the same time on both femoral arteries, to verify its symmetry	
29.	To palpate the pulse at the same time on the radial and femoral arteries (with one hand) to verify its symmetry	
30.	Ask the patient to release the chest from the clothes	
31.	<b>The study of the pericardium</b>	
32.	Put the right hand base of the palm on the sternum, placing the fingers in the intercostal spaces toward the left axillary line	
33.	Rotate the hand 90 degrees and to evaluate apical impulse fingertips	
34.	To determine the presence of a pulse deficit, simultaneously, by sensing the area of apex beat and radial artery	
35.	<b>Palpation pulsations of the large arteries</b>	
36.	To palpate the projection area of the pulmonary artery with the palm in the area of the 2nd intercostal space at the left edge of the sternum	
37.	To palpate the projection area of the aortic arch with the palm in the area of the 2nd intercostal space at the right edge of the sternum	
38.	To palpate the area of possible pulsations of the aorta hand in the epigastric region	
39.	Thank the patient, tell you to get dressed, to inform you that You have finished and will now prepare a written report of inspection results	

### Criteria and evaluation scales:

- criteria of evaluation – the correct answers on the questions;
- an evaluation indicator – per cent of the correct answers on the questions;
- an evaluation scale (assessment) – 4 levels of evaluating competences are distinguished:

**High (excellent)** – is more 80% of the correct answers;


**Sufficient (good)** – from 60 to 80% of the correct answers;

**Borderline (satisfactory)** – from 50 to 60% of the correct answers;


**critical (unsatisfactorily)** – is less 50% of the correct answers.

### 3.2 Report



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Index of the competency	№	Themes of reports
GPC-10, PC-21	1.	Sanitary treatment of patients in the admission Department
GPC-10, PC-21	2.	Wet cleaning of wards, offices
GPC-11, PC-21	3.	Setting warming compresses, hot water bottles, bubble with ice.
GPC-11, PC-21	4.	Determination of pulse, its characteristics, graphic recording
GPC-11, PC-21	5.	Enemas
GPC-11, PC-21	6.	Gastric lavage
GPC-10, PC-21	7.	Thermometry
GPC-10, PC-21	8.	Role of hardening
GPC-10, PC-21	9.	Alcoholism and its consequences
GPC-11, PC-21	10.	Rules of use of medicines
GPC-11, PC-21	11.	Parenteral method of drug administration
GPC-11, PC-21	12.	Rules and methods of transportation of patients in medical institution
GPC-11, PC-21	13.	First aid for vomiting
GPC-11, PC-21	14.	Principles of emergency care for heart pain
GPC-11, PC-21	15.	Complications of injections. Principles of emergency care in anaphylactic shock
GPC-11, PC-21	16.	The types of powder inhaler and the technique of their use
GPC-11, PC-21	17.	Disinfection and sterilization of medical products
GPC-11, PC-21	18.	Physical inactivity as a cause of cardiovascular diseases
GPC-10, PC-21	19.	Cardiac asthma and pulmonary edema: symptoms, principles of emergency care
GPC-10, PC-21	20.	Hypertensive crisis: symptoms, principles of emergency care
GPC-10, PC-21	21.	Pulmonary hemorrhage: symptoms, principles of emergency care
GPC-10, PC-21	22.	Bronchial asthma: symptoms, principles of emergency care in case of suffocation

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GPC-11, PC-21	23.	Rules of collection of biological material in diseases of the respiratory system.
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### Criteria and evaluation scales:

- criteria of evaluation – the correct and full disclosure of questions;
- an evaluation indicator – depth and quality of the studied questions, completion of a paper;
- an evaluation scale (assessment) – 4 levels of evaluating competences are distinguished:  
**High (excellent)** - all questions are opened correctly and fully, completion of paperwork conforms to the requirements of regulatory documents;  
**sufficient (good)** – questions are opened insufficiently fully, completion of paperwork conforms to the requirements of regulatory documents;  
**borderline (satisfactory)** – questions are not opened, paperwork execution conforms to the requirements of regulatory documents;  
**critical (unsatisfactorily)** – questions are not opened, paperwork execution does not conform to the requirements of regulatory documents


### 3.3 The diary for practice: according USU form.

Index of the competency	№ task	Formulation of the individual task
		Not provided in this practice


### 3.4 List of competences for the course of training practice “Care of therapeutic and surgical patients.

**Primary skills of the research work”, indicating the stages of their formation in the process of development GEP**

№ se- mester	Name of discipline (module) or practices	Index competence		
		GPC-10	GPC-11	PC-21
2	Care of therapeutic and surgical patients. Primary skills of the research work	+	+	+
6-7	Topographical anatomy and operative surgery	+	+	
2	Care of surgical patients. Primary skills of the research work	+	+	+
2	Junior medical staff assistant	+	+	
4	As nurse assistant	+	+	
6	As procedural nurse assistant	+	+	
4-5	General surgery. Introduction to the speciality		+	

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7	Dentistry		+	
7-8	Neurology, medical genetics, neurosurgery		+	
7	Otorhinolaryngology		+	
7-8	Faculty surgery		+	
7-11	Obstetrics and gynecology		+	
9	Ophthalmology		+	
10	Traumatology, orthopaedy		+	
12	Oncology, radiation therapy		+	
10	Modern problems of miscarriage		+	
8	Physician Assistant hospital. Research work		+	+
1	Medical ethic			+
1-3	Anatomy			+
3-4	Psychology and pedagogy of the medical practice			+
3	Neuroanatomy			+
6	Nanotechnology in the medicine			+
3	Modern biomedical technologies			+
12	The state final examination	+	+	+

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## The block of care of surgical patients

### 1. The course aims and objectives

**Aim of the Course:** Aim of the course is forming of professional skills of care for surgical patients in the scope of work of Junior medical staff, training students in the principles of care for surgical patients, obtaining the first experience of professional activity in the scope of work of Junior medical staff, as well as the development of competencies required to work in the professional medical field.

#### Tasks of educational practice:

- familiarity with the principles of observation and care of patients with surgical diseases of the internal organs from the standpoint of Junior medical staff;
- familiarity with instrumental and laboratory methods of research in diseases.
- training students to provide first aid for mechanical injuries, bleeding due to injuries and diseases of the internal organs, acute diseases of the thoracic and abdominal cavities, as well as carrying out basic resuscitation measures (artificial respiration, heart massage) with electric injuries, drownings, hangings, first aid for thermal and chemical burns, frostbite
- teaching students the elements of desmurgy, transport immobilization, implementation of rational nutrition, prevention of bedsores, sanitary treatment of patients upon admission to the surgical hospital.
- formation of abilities on the organization of work of medical personnel of medical organizations, the definition of functional responsibilities and the optimal algorithm of their implementation;
- teaching the basics of scientific research, analysis of scientific literature and preparation of abstracts on modern problems of care for surgical patients;

### 2. Place of the course in the curriculum

**2.1** The program B2.Y.1 «Training practice Care of the therapeutic and surgical patients. Primary skills of the research activities» is made in accordance with the requirements of the federal state educational standard of higher professional education for specialty "General Medicine" and concerns to the block of educational practice B2 «Practices, including research work».


**2.2** Study questions training practice is carried out in the 2st semester of 1st year. Anatomy, biology and chemistry are the previous disciplines necessary for studying of this course.

**2.3** Sections of discipline and interdisciplinary communications with provided and subsequent disciplines: practices, general surgery, anesthesiology, resuscitation and intensive care, faculty surgery, oncology, hospital surgery.


### 3. Proposed results

**The course is aimed at the following competences:**


№ п/ п	Index of the competences	The contents of the competences	As a result of the training practice course the student must		
			know	able to	own to
1.	<b>GPC-10</b>	The willingness to organize care for patients and	- organization of work and structure of medical institu-	- apply methods of caring for skin and mucous	- methods of hygienic treatment of hands;

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		provide primary pre-hospital health care	tions; - features of the reception Department and specialized departments of surgical profile; - technique of preliminary, current, final and General cleaning - principles of personal hygiene and methods of its implementation; - diet tables and their importance in therapeutic measures for the recovery of patients; - - first aid for gastric bleeding, vomiting; -rules for the use of gastrostomy for feeding patients. Rules for the care of the urinary catheter, rules for the care of the colostomy.	membranes; -to change the underwear and bed linen; -distribute patients by Department; -to carry out prevention of bedsores; to spend the care of febrile patients; - to shave the patient's skin in the area of the operating field. Treatment of the patient's skin before surgery. Treatment of hands before surgical procedures. Wearing sterile clothing. - perform artificial respiration and evaluate its effectiveness; -do an indirect cardiac massage.	- the method of toilet of the mouth, eyes, ears, nasal passages in seriously ill; - methods of change of underwear and bed linen in patients on General and bed rest.
2.	<b>GPC-11</b>	The willingness to use medical devices stipulated order of rendering of medical aid	- rules and methods of transportation of patients in medical institution; Rules for the care of the tracheostomy. The rules of feeding through a gastrostomy tube. Urinary catheter care rules - regulation Rules of colostomy treatment and	transport patients in a medical facility; - to measure the body temperature and is graphically reflect in the temperature sheet; --to count the respiratory movements and evaluate the result; --measure blood pressure, exam-	- rules and methods of transportation of patients in the medical institution; - methods of treatment of patients with pediculosis; - methods of disinfection of medical facilities and products (thermometers, aprons, bedpans, urinals, rooms,

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			<p>replacement of the colostomy bag. - laboratory methods of diagnosis, rules of collection of biological materials in surgical diseases of the gastrointestinal tract, respiratory organs;</p> <p>- equipment of processing, storage of catheters, urinals;</p> <p>- the procedure for sanitary and hygienic treatment of surgical patients with pediculosis in the emergency room.</p>	<p>ine pulse on peripheral arteries;</p> <p>- - to care for the tracheostomy, to enteral nutrition through the gastrostomy</p> <p>To carry out colostomy treatment and replacement of the colostomy bag, to carry out treatment of the urinary catheter and replacement of the ureter-to collect urine analysis: General, for Nechiporenko, for zimnitsky.</p>	<p>surgical instruments, medical equipment, sanitary equipment, linen contaminated with secretions and blood, catheters, probes, enema tips, spatulas</p> <p>- methods of weighing patients, measurement of growth and registration of indicators;</p> <p>- method of measuring body temperature and its registration;</p> <p>- - methods of using inflatable circles, foam pads of anti-bedsores mattress for the prevention of bedsores;</p> <p>- methods of collecting sputum, vomit, feces, urine.</p>
3.	<b>PC- 21</b>	<p>Readiness for analysis and public presentation of medical information on the basis of evidence-based medicine</p>	<p>- - fundamentals of evidence-based medicine</p> <p>--sources of scientific information</p> <p>--basic information of medical database "IPRbooks" (<a href="http://www.iprbookshop.ru">www.iprbookshop.ru</a>); ELS "Consultant of a student" (<a href="http://www.studmedlib.ru">www.studmedlib.ru</a>); Scientific electronic library (<a href="http://www.elibrary.ru">http://www.elibrary.ru</a>); Related world medical</p>	<p>- to work with literature;</p> <p>-to summarize the material;</p> <p>-to identify problems;</p> <p>- make your own reasoned conclusions;</p> <p>-to execute work in accordance with the requirements.</p>	<p>-methods of scientific information retrieval</p> <p>methods of information processing;</p> <p>-basic techniques for working with scientific and methodological literature on the research problem;</p> <p>-writing and design essay.</p>


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				<p>journals in the English language: (<a href="http://www.medmir.com">http://www.medmir.com</a>).</p> <p>rules of drawing up and registration of the bibliographic list (GOST 7.1— 84 (Bibliographic description of the document. General requirements and rules of preparation)</p> <p>- stages of the study of literary sources</p> <p>- - information processing methods</p> <p>--fundamentals of research methodology.</p>	
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#### 1.4 THE LIST OF PRACTICAL SKILLS

The name of the skill

- 1 Sanitary treatment of surgical patients in the admission Department
- 2 Treatment of surgical patients with pediculosis
- 3 Transportation of surgical patients
- 4 Anthropometry of surgical patients
- 5 Thermometry, storage and disinfection of thermometers in surgical patients
- 6 to prevent the development of bedsores
- The care of surgical patients with pressure sores.
- 7 the Use of a bubble with ice.
- 8 Measurement and evaluation of blood PRESSURE, pulse in surgical patients
- 9 Calculation of respiratory movements in surgical patients
- 10 Care for patients with urinary incontinence
- 11 Care of drains, catheters
- 12 tracheostomy Care
- 13 Caring for a gastrostomy
- 14 care of the colostomy
- 15 Installation of urinary catheter.
- 16 urinary catheter Care
- 17, the Supply vessel and urinal
- 18 Collection of urine, sputum for tests.
- 19 Collection of vomit and faeces for analysis
- 20 Production of dressing material

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- 21 Treatment and disinfection of patient care items  
 22 preliminary, current, final cleanups in Chi-rulechecker office.

#### 4. Place and date of the practice

Practical training is carried out in the 2nd semester at training center for medical technology of medical faculty and training rooms of the Institute of Medicine, Ecology and Physical Culture USU.

Date: 2nd semester of 1 course.

#### 5. Content of practice


The total complexity of course is 3 credits, 108 hours. Dispersed part of practice is carried out during all second semester of 108 hours. Including the block of care of surgical patients 1,5 credits (54 hours).

#### 6. Structure and content of the practice

##### 6.1 Dispersed part of practice: care for surgical patients (54 hours).

№ п/п	Name of sections and themes	Types of study in practice, including independent work of students	Quantity of Hours	The form of control	
<b>Section 1. Deontology.</b>					
1.1	Deontology.	Ethical standards and principles of behavior of the medical worker in the performance of professional duties.	4	Control of the diary	
<b>Section 2. Work in the surgical units of the hospital</b>					
2.1	Work in the emergency Department of a surgical hospital.	Duties of Junior medical staff of the emergency room. The beaks of laying for the treatment of patients with lice. The procedure for sanitary and hygienic treatment of patients with pediculosis in the emergency room.	10		
2.2	Surgical Department of the hospital. General principles of care for surgical patients.	Duties of Junior medical staff of the surgical Department. Change of underwear and bed linen.. Rules for the prevention of bedsores. Daily sanitary and hygienic treatment of the skin, toilet of the mouth, nose, Treatment of the scalp.	6		
<b>Section 3. Aseptic and antiseptic</b>					
3.1	Aseptic and antiseptic.	Shaving the patient's skin in the area of the operating field. Treatment of the patient's skin before surgery. Treatment of hands before surgical procedures. Wearing sterile clothing.	6		
<b>Section 4. Care for patients with surgical diseases</b>					



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4.1	Care of surgical patients in the postoperative period	Tracheostomy care. Treatment of tracheostomy tube. Care of gastrostomy. Rules for the use of gastrostomy for feeding patients. Caring for the colostomy, changing the colostomy bag.	8	Control of the diary
4.2	Care for surgical patients with diseases of the abdominal cavity	Gastric lavage, post-operative care for drainage, the introduction of the vapor tube, holding enemas.	6	
4.3	Care for patients with surgical diseases of the genitourinary system	Care of urinary catheter. Sanitary and hygienic treatment of external genitals. Changing of the drainage bag.	8	
<b>Section 5. Basic research.</b>				
5.1	Fundamentals of scientific research.	Principles of work and analysis of scientific literature.	4	Writing abstract.
	Final class.	Credit.	2	Testing, interview, the final control of a diary
	Total hours		54	

## 7. Research and production technologies, used in practice. Research and development technologies:

7.1 Basic skills of working with research literature

7.2 Thematic search and study of special medical literature in the preparation and writing of the abstract

Scientific and production technologies are not provided

## 8. Forms of interim certification on the basis of practice


Test with a mark

## 9. Educational-methodical and information support of practice8. Form of interim certification by the end of practice

### List of recommended literature:

#### Basic literature

1. Barykin N. V. Nursing care in surgery : textbook. manual for education. institutions environments. Professor of education, med. colleges and colleges / N. In. Barykina, V. G. Saranska; under the Gen-Форма Б

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eral editorship of B. V. Kabargina. - 15-e Izd. - Rostov-on-don : Phoenix, 2014. - 447 p.: Il. - (Secondary vocational education). - ISBN 978-5-222-21850-1 (per.) : 301.00.

#### Additional literature

1. Karabaev R. B. Nursing care in various diseases and conditions. Nursing care in surgery : studies.-method. textbook / R. B. Karabaev; USU, Honey. college. - Ulyanovsk : Ulgu, 2016. - 96 p. - Bibliogr.: p. 95. - b/p.

#### Database, directory and search engine:


1. ABS "IPRbooks" ([www.iprbookshop.ru](http://www.iprbookshop.ru)). Contract No. 937 dated 11.12.2015 G.  
 2. ELS "Consultant of a student" ([www.studmedlib.ru](http://www.studmedlib.ru)). Contract No. 348 KS/19.11.2015 from 10-25 g.

## 10. Material support of practice

**10.1 List of bases required for practical training:** Practical training is carried out in the 2nd semester at training center for medical technology of medical faculty and training rooms of the Institute of Medicine, Ecology and Physical Culture USU.

### 10.2 List of equipment required for training practice

№	Name
1	Thermometer
2	Tracheostomy tube
5	Urinary catheter
6	the Urinal
8	colostomy Bag
10	Disposable diapers
11	Kidney tray
12	Scissors
13	Laying for treatment of patients with pediculosis
14	Aprons
15	The Syringe Janet
16	Disposable syringes of different size and needle diameter
17	Medical supplies (cotton, bandages, etc.)
18	Drain pipes


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*The application*


**Fund of evaluating tools for training practice “Care of the therapeutic and surgical patients. Primary skills of the research activities”**

**1. The course is aimed at development of the following competences:**

№ п/ п	Index of the competences	The contents of the competences	As a result of the training practice course the student must		
			know	able to	own to
1.	<b>GPC-10</b>	The willingness to organize care for patients and provide primary pre-hospital health care	<ul style="list-style-type: none"> <li>- organization of work and structure of medical institutions;</li> <li>- features of the reception Department and specialized departments of surgical profile;</li> <li>- technique of preliminary, current, final and General cleaning</li> <li>- principles of personal hygiene and methods of its implementation;</li> <li>- diet tables and their importance in therapeutic measures for the recovery of patients;</li> <li>- first aid for gastric bleeding, vomiting;</li> <li>- rules for the use of gastrostomy for feeding patients. Rules for the care of the urinary catheter, rules for the care of the colostomy.</li> </ul>	<ul style="list-style-type: none"> <li>- apply methods of caring for skin and mucous membranes;</li> <li>-to change the underwear and bed linen;</li> <li>-distribute patients by Department;</li> <li>-to carry out prevention of bedsores;</li> <li>to spend the care of febrile patients;</li> <li>- to shave the patient's skin in the area of the operating field. Treatment of the patient's skin before surgery. Treatment of hands before surgical procedures. Wearing sterile clothing.</li> <li>- perform artificial respiration and evaluate its effectiveness;</li> <li>-do an indirect cardiac massage.</li> </ul>	<ul style="list-style-type: none"> <li>- methods of hygienic treatment of hands;</li> <li>- the method of toilet of the mouth, eyes, ears, nasal passages in seriously ill;</li> <li>- methods of change of underwear and bed linen in patients on General and bed rest.</li> </ul>
2.	<b>GPC-11</b>	The willingness to use medical devices stipulated order of	<ul style="list-style-type: none"> <li>- rules and methods of transportation of patients in medical institu-</li> </ul>	<ul style="list-style-type: none"> <li>transport patients in a medical facility;</li> <li>- to measure the</li> </ul>	<ul style="list-style-type: none"> <li>- rules and methods of transportation of patients in the medical insti-</li> </ul>

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		rendering of medical aid	<p>tion;          Rules for the care of the tracheostomy.          The rules of feeding through a gastrostomy tube.          Urinary catheter care rules          - regulation          Rules of colostomy treatment and replacement of the colostomy bag. - laboratory methods of diagnosis, rules of collection of biological materials in surgical diseases of the gastrointestinal tract, respiratory organs;          - equipment of processing, storage of catheters, urinals;          - the procedure for sanitary and hygienic treatment of surgical patients with pediculosis in the emergency room.</p>	<p>body temperature and is graphically reflect in the temperature sheet;          --to count the respiratory movements and evaluate the result;          --measure blood pressure, examine pulse on peripheral arteries;          - - to care for the tracheostomy, to enteral nutrition through the gastrostomy          To carry out colostomy treatment and replacement of the colostomy bag, to carry out treatment of the urinary catheter and replacement of the ureter-to collect urine analysis: General, for Nechiporenko, for zimnitsky.</p>	<p>tution;          - methods of treatment of patients with pediculosis;          - methods of disinfection of medical facilities and products (thermometers, aprons, bedpans, urinals, rooms, surgical instruments, medical equipment, sanitary equipment, linen contaminated with secretions and blood, catheters, probes, enema tips, spatulas          - methods of weighing patients, measurement of growth and registration of indicators;          - method of measuring body temperature and its registration;          - - methods of using inflatable circles, foam pads of anti-bedsores mattress for the prevention of bedsores;          - methods of collecting sputum, vomit, feces, urine.</p>
3.	<b>PC- 21</b>	Readiness for analysis and public presentation of medical information on the basis of evi-	<p>- - fundamentals of evidence-based medicine          --sources of scientific information          --basic information</p>	<p>- to work with literature;          -to summarize the material;          -to identify problems;</p>	<p>-methods of scientific information retrieval methods of information processing;</p>

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		dence-based medicine	of medical database "IPRbooks" ( <a href="http://www.iprbookshop.ru">www.iprbookshop.ru</a> ); ELS "Consultant of a student" ( <a href="http://www.studmedlib.ru">www.studmedlib.ru</a> ); Scientific electronic library ( <a href="http://www.elibrary.ru">http://www.elibrary.ru</a> ); Related world medical journals in the English language: ( <a href="http://www.medmir.com">http://www.medmir.com</a> ). rules of drawing up and registration of the bibliographic list (GOST 7.1— 84 (Bibliographic description of the document. General requirements and rules of preparation) - stages of the study of literary sources - information processing methods - fundamentals of research methodology.	- make your own reasoned conclusions; -to execute work in accordance with the requirements.	-basic techniques for working with scientific and methodological literature on the research problem; -writing and design essay.
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## 2. Passport of the fund of evaluating tools for training practice


№ п/п	Controlled section	Index of the controlled competency	Evaluating tools		The technology of assessment
			Name № tasks	name № tasks	
<b>Section 1 Deontology</b>					
1.1	Ethical standards and principles of behavior of the medical worker in the performance of professional duties.	GPC -10, To know	tests	1. 2. 4. 7. 9. 10. 15. 16. 18. 26	To look criteria and evaluation scale
		GPC -10, To be able	tests	1. 11. 12. 19. 21. 22. 25. 28	-//-

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		GPC -10, To own	tests	1. 6. 8. 13. 14. 17. 23. 24. 27. 29.	-//-
<b>Section 2</b>					-//-
<b>Work in the surgical units of the hospital</b>					-//-
2.1	Work in the emergency Department of surgical hospitals. The concept of General care.	GPC -10, To know	tests	31,34-36, 39, 43, 44, 46-51, 54, 55, 58	-//-
		GPC 11 To know	tests	32, 40, 41, 42, 44, 56, 57	-//-
		GPC -10, To be able	tests	34-36, 39, 43, 44, 46-51, 58	-//-
		GPC -11 To be able	tests	32, 40, 41, 42, 44, 56, 57	-//-
		GPC -10, To own	tests	39, 44,47, 49	-//-
		GPC -11 To own	tests	33, 37, 38, 42, 44.	-//-
2.2	Surgical Department of the hospital. Must-news of Junior medical staff of the surgical Department. General principles of care for surgical patients and.	GPC -10, To own	tests	59-61, 66, 68-72, 74, 75,78, 80	-//-
		GPC -11 To know	tests	60, 62-65, 67, 70, 73, 76, 77, 79	-//-
		GPC -10, To be able	tests	59-61, 66, 68-72, 74, 75,78, 80	-//-
		GPC -11 To be able	tests	60, 62-65, 67, 70, 73, 76, 77, 79	-//-
		GPC -10, To own	tests	59-61, 66, 68-72, 74, 75,78, 80	-//-
		GPC -11 To own	tests	60, 62-65, 67, 70, 73, 76, 77, 79	-//-
<b>Section 3.</b>					
<b>Aseptic and antiseptic</b>					
3.1	Aseptic and antiseptic.	GPC -10, To know	tests	81-85, 88-92, 98-100	-//-
		GPC -11 To know	tests	86-97, 99-100	-//-
		GPC -10, To be able	tests	81-85, 88-92, 98-100	-//-
		GPC -11	tests	86-97,	-//-

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		To be able		99-100	
		GPC -10, To own	tests	81-85, 88-92, 98-100	-//-
		GPC -11 To own	tests	86-97, 99-100	-//-
<b>Section 4. Care for patients with surgical diseases</b>					
4.1	Care for surgical patients with diseases of the abdominal cavity	GPC ОПК-10, To know	tests	101, 102, 104-113, 115, 117, 119- 129	-//-
		GPC ОПК-11 To know	tests	102-104, 107, 110, 111, 114-118, 121, 123-129	-//-
		GPC -10, To be able	tests	101, 102, 104-113, 115, 117, 119- 129	-//-
		GPC -10, To be able	Situational concerns	3, 7, 9	-//-
		GPC -11 To be able	тесты	102-104, 107, 110, 111, 114-118, 121, 123-129	-//-
		GPC -10, To own	tests	101, 102, 104-113, 115, 117, 119- 129	-//-
		GPC -11 To own	tests	102-104, 107, 110, 111, 114-118, 121, 123-129	-//-
4.2	Care of surgical patients in the postoperative period. Stoma care.	GPC ОПК-11 To know	tests	130 -156	-//-
		GPC ОПК-11 To know	Individual task	1-5	-//-
		GPC 21 To be able	Individual task	1-5	-//-
		GPC -11 To be able	tests	130 -156	-//-
		GPC -11 To be able	Situational concerns	1-5, 7, 8.	-//-
		GPC -11 To own	tests	130 -156	-//-
4.3	Care for patients with surgical diseases of the genitourinary system	GPC ОПК-10, To know	tests	157,158, 163,164,168, 169, 172, 173	-//-
		GPC -11 To know	tests	158-163, 165-167,170,	-//-

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			171, 174,175	
	GPC -10, To be able	tests	157,158, 163,164,168, 169, 172, 173	-//-
	GPC -11 To be able	tests	158-163, 165-167,170, 171, 174,175	-//-
	GPC ОПК-11 To be able	Situational concerns	6, 8	-//-
	GPC -10, To own	tests	157,158, 163,164,168, 169, 172, 173	-//-
	GPC -11 To own	tests	158-163, 165-167,170, 171, 174,175	-//-
<b>Section 5. Basic research.</b>				
<b>5.1 Fundamentals of the scientific approach in the examination of patients.</b>		PC-21	Abstract, tests.	176-206
Зачет	GPC -10, To know	tests	1. 2. 4. 7. 9. 68-72, 74, 81-85, 157,158, 163,164,168,	-//-
	GPC-11 To know	tests	32, 40, 41, 42, 44, 56, 130 -136, 102-104, 107, 158-163	-//-

### 3. Progress tests for training practice (GPC-10, GPC-11, PC-21)

**For example:**

MEDICAL DEONTOLOGY IS

- a) an independent science about the duty of medical professionals
- b) applied, normative, practical part of medical ethics
- C) independent science of moral, ethical and legal relations between medical workers, patients and their relatives
- d) the science of the relationship between health workers
- e) the science of good manners

Answer: b

The concept of "medical ethics" includes:


- A) the form of public consciousness and the system of social regulation of medical workers;
- B) the form of legal regulation of medical workers.

Answer: a

THE PRINCIPLE OF RELATIONS BETWEEN MEDICAL WORKERS AND PATIENT'S RELATIVES IS

Форма Б



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- (a) trust
- b) suspicion
- (C) lack of information
- d) secrecy
- e) does not matter

Answer: a

The concept of "medical ethics" includes the concept of "medical deontology":

- (A) Yes;
- B) no.

Answer: a

Which of the following definitions is more consistent with the concept of "bioethics"?

- (a) advances in biomedical technology;
- b) social, legal and ethical consequences of the use of biomedical technology.

Answer: b

What is the subject of medical confidentiality?

- (a) information on the condition of the patient during his illness;
- b) information on the fact of applying for medical care, the patient's state of health, the diagnosis of his disease and other information obtained during his examination and treatment;
- C) all of the above.

Answer: b

Medical deontology is:

- A) an independent science about the duty of medical professionals;
- B) applied, normative, practical part of medical ethics.

Answer: (B)

THE PRINCIPLE OF RELATIONS BETWEEN MEDICAL WORKERS AND PATIENT'S RELATIVES IS

- (1) distrust
- (2) suspicion
- 3) full information\*
- 4) stealth
- 5) doesn't matter

The answer is 3


The term "deontology" introduced into scientific use:

- (a) O. Comte;
- b) Socrates;
- (C) I. Bentham;
- d) I. Kant;
- e) Hippocrates.

Answer: b

Medical ethics is:

- A) specific manifestation of General ethics in the work of a doctor;
- B) the science dealing with the medical issues of humanity, issues of duty, honor, conscience and dignity of health workers;
- C) the science that helps to develop a doctor's ability to moral orientation in difficult situations that require high moral, business and social qualities;
- D) all of the above is true;
- E) there is no right option.

<p style="text-align: center;">RF Ministry of Education Ulyanovsk State University Faculty of Medicine named after Biktimirov T.Z. Department of the propedeutics of internal diseases Department of the general and operative surgery with topographic anatomy and the course of dentistry</p>	Form	
<p style="text-align: center;">F – Educational plan of the course of training practice “Care of the therapeutic and surgical patients. Primary skills of the research activities”, course 31.05.01 “General Medicine”</p>		

Answer: D

The principle of the relationship between the patient and the doctor are

- (1) arrogance
- (2) suspicion
- 3) goodwill\*

4) assertiveness

5) doesn't matter

The answer is 3

The principle of the relationship between the patient and the doctor is

(a) trust

b) suspicion

(C) arrogance

d) assertiveness

e) does not matter

Answer: a

Medical confidentiality is necessary for:

a) protection of the inner world of man, his autonomy;

b) protection of social and economic interests of the individual;

C) creation of the basis of trust and frankness of doctor-patient relationship";

d) maintaining the prestige of the medical profession;

e) all of the above.

Answer: d

**THE FOUNDATIONS OF THE RELATIONSHIP BETWEEN HEALTHCARE PROFESSIONALS APPLIES**

a) complete and truthful information

b) information within reasonable limits

(C) suspicion

d) arrogance

e) does not matter

Answer: a

The term "deontology" to refer to the doctrine of proper behavior, actions, mode of action was introduced by the English philosopher I. Bentham in

a) XYII century;

b) XYIII.;

(C)XIX century.;

(d) twentieth century.

Answer: b

Professional ethics is:

a) an approach aimed at harmonizing the interests of the individual's society;

b) the doctrine of proper behavior, actions, mode of action;

C) the science of professional morality as a set of ideals and values, ideas about due, ethical principles and norms of behavior that reflect the essence of the profession.

d) a set of rules relating to the external manifestation of the relationship to people.


Iatrogenic diseases are:

(a) special cases of psychogeny;

b) undesirable changes in the psyche, generated by doctor;

C) mental disorders as a result of the impact of the "word" doctor;

d) all of the above is true.

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Answer: g

Medical ethics studies:

- (A) standards of conduct for health workers
- B) personal qualities of the patient, the medical worker
- C) patient's worldview
- E) legal aspects of nursing activities

Answer: A

Whether to allow euthanasia (artificial approach of death at the patient's request) by the health legislation?

- (A) Yes;
- B) no.

Answer: (B)

THE FOUNDATIONS OF THE RELATIONSHIP BETWEEN HEALTHCARE PROFESSIONALS APPLIES

- (1) suspicion
- 2) information within reasonable limits
- (3) respect\*
- (4) arrogance
- 5) doesn't matter

The answer is 3

### Criteria and evaluation scales:

- criteria of evaluation – the correct answers on the questions;
- an evaluation indicator – per cent of the correct answers on the questions;
- an evaluation scale (assessment) – 4 levels of evaluating competences are distinguished:

**High (excellent)** – is more 80% of the correct answers;

**Sufficient (good)** – from 60 to 80% of the correct answers;

**Borderline (satisfactory)** – from 50 to 60% of the correct answers;

**critical (unsatisfactorily)** – is less 50% of the correct answers.

### Situation objectives

#### GPK11 Situational task №1

In a patient with gastrostomy, redness of the visible mucosa, soreness, that is, signs of inflammation. Nurse tactics?

Answer to situational problem #1

If you develop skin problems, it is necessary to invite a specialist in enterostomal or care for wounds.


In order to prevent irritation, you need to change the bandage every day and apply zinc ointment to the skin around the stoma.

#### GPK11 Situational task №2

After feeding through a temporary gastrostomy, the nurse fixed the end of the tube with a band-aid to the patient's skin. Is it true tactic nurses?

Response to the situational task number 2

1. Rinse with warm boiled water or furatsilina solution 1: 5000, or 10% solution of tannin, or 0.5 % solution of potassium manganese-acid.
2. Dry with wipes.
3. On prescription, apply an indifferent ointment, paste, powder: zinc paste, pas-TA Lassara, dermatol paste, ointment “Stomachetiv”; powder: dry tannin, talc, kaolin.

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4. After absorption, remove the remnants with a napkin.

5 Apply aseptic dressing.

GPK10 Situational task №3

Patient ileostomy appeared excessive gas. The patient turned to the nurse for recommendations. Nurse tactics.

The answer to the situational problem №3.

The nurse gives the following recommendations for the correction of nutrition:

Exclude some products from the diet because excessive gas formation occurs when using milk, cabbage, cucumbers, peas, nuts, beans. The use of activated carbon significantly reduces the formation of gases.

GPK11 Situational task № 4

In a patient with tracheostomy saliva and mucus accumulate in the oral cavity, cracks form on the lips. Nurse tactics.

Response to a situational problem №4

In this regard, the nurse should carefully remove mucus from the nasopharynx every day. The tongue in the gape reach the mouth, lips clean with a swab soaked in physiological solution. Lubricate lips with a moisturizing cream.

GPK11 Situational task № 5

In patients with tracheostomy, during suctioning of mucus developed hypoxia. What's the nurse's mistake?

The answer to the situational problem № 5

To prevent hypoxia in the patient, it is necessary to carry out suction no longer than 10 – 15 seconds. for the 1st time. The patient should rest for 1 – 3 minutes.

GPK11 Situational task № 6

The patient complains of the presence of ammonia odor from the urinal. Nurse tactics.

The answer to the situational problem № 6

After emptying the ureter, it is filled with 50 – 100 ml. slightly colored furatsilina or rivanol solution, which in addition to aseptic action eliminates the ammonia smell of decomposed urine.

### 3.3. Individual task.

Make a complete bibliographic list of literature for the last 5 years on the topics:


1. The care of tracheostomy GPC 11, PC 21
2. Care of gastrostomy. GPC 11, PC 21
3. Care of a colostomy GPK 11, PC 21
4. Care epicystostomy GPC 11, PC 21
5. Care of urinary catheter GPK 11, PC 21

### 3.3 Diary of the practice:

Diary on practical training developed and approved by the UMK Ulsu medical faculty, issued individually to each student before practice.

### Evaluation criteria and scales:

- evaluation criteria – correct and full disclosure of questions;
- evaluation indicator – depth and quality of the questions worked out, design abstract's;
- scale of assessment (assessment) – 4 levels of assessment of competences are allocated: high (excellent) - all issues are covered correctly and completely, the design corresponds to the requirements of the guidance documents;

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sufficient – the questions is not adequately disclosed, the design corresponds to the requirements of internal guidance documents;

threshold – the issues are not disclosed, the design meets the requirements of internal guidance documents;

critical – the issues are not disclosed, the design does not meet the requirements of internal guidance documents;

### 3.4 List of competences for the course of training practice “Care of therapeutic and surgical patients.

**Primary skills of the research work”, indicating the stages of their formation in the process of development GEP**

№ se- mester	Name of discipline (module) or practices	Index competence		
		GPC-10	GPC-11	PC-21
2	Care of therapeutic and surgical patients. Primary skills of the research work	+	+	+
6-7	Topographical anatomy and operative surgery	+	+	
2	Care of surgical patients. Primary skills of the research work	+	+	+
2	Junior medical staff assistant	+	+	
4	As nurse assistant	+	+	
6	As procedural nurse assistant	+	+	
4-5	General surgery. Introduction to the speciality		+	
7	Dentistry		+	
7-8	Neurology, medical genetics, neurosurgery		+	
7	Otorhinolaryngology		+	
7-8	Faculty surgery		+	
7-11	Obstetrics and gynecology		+	
9	Ophthalmology		+	
10	Traumatology, orthopaedy		+	
12	Oncology, radiation therapy		+	
10	Modern problems of miscarriage		+	
8	Physician Assistant hospital. Research work		+	+
1	Medical ethic			+
1-3	Anatomy			+
3-4	Psychology and pedagogy of the medical practice			+
3	Neuroanatomy			+
6	Nanotechnology in the medicine			+
3	Modern biomedical technologies			+
12	The state final examination	+	+	+