

Health Ministry of the Russian Federation
Federal State Budgetary Educational Institution
of higher education
«DAGESTAN STATE MEDICAL UNIVERSITY»
(FSBEI HE DSMU of Health Ministry of Russia)

I Affirm

Vice-rector for academic affair,
MD, Prof.
R.M.Ragimov



07 2022

WORK PROGRAM
of the educational practice
«SIMULATION TRAINING IN NURSING»
educational
Simulation training in nursing B2. O.O3(Y)

Specialty - **31.05.01 General Medicine**

Level of Higher Education: **Specialist Programme**

Graduate's qualification: **Medical Doctor (MD)**

Faculty: **Therapeutic**

Department: **Medical Simulation and Educational Practice**

Course of study: **full-time**

Academic year- **2**

Semester- **III**

Total labor intensity (in credit units (c.u.)/hours)- **2 c.u. / 72 hours**

Practical classes- **36 hours**

Students' self-study - **36 hours**

Form of assessment- **credit-test in III semester**

Makhachkala 2022г.

The work program of the educational practice complies with FSES 3 ++ HE in the specialty 31.05.01 General Medicine, approved by order of the Ministry of Education and Science of the Russian Federation on August « 12 » 2020 № 988.

The work program of the discipline was approved at the meeting of the Department on « 27 » 06 2022.

The work program is coordinated with:

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2. Head of DAMS and CES _____ (A.M. Karimova)
3. Dean of Therapeutic Faculty _____ (R.T. Savzikhanov)

Acting Head of the Department _____ Rasul Abakarovich Koychuev

Developed by:

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Reviewed by:

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1. KIND, TYPE, METHODS, FORMS, TIME AND PLACE OF PRACTICE (practical training).

Form of practice: educational

Type of practice: introductory

Method of practice: in the in-patient departments of health-care facilities

Form of practice: discrete

The educational practice is carried out in the medical institutions that have entered into agreement with DSMU on the basis of current legislation.

The practice bases are the following health-care facilities: the Federal Accreditation Center of FSBEI HE DSMU, the Department of Medical Simulation and Educational Practice.

The duration of the practice is __18__ days.

2. EXPECTED LEARNING OUTCOMES OF THE PRACTICE

Goal – theoretical and practical study of Nursing Care basics to impart the students skills of providing the qualified, high-standard medical aid in their professional activities and the additional training for the successful primary accreditation, to be taken in the sixth academic year. It is the theoretical knowledge of such key elements as asepsis, antiseptics, nursing care, preparation for various types of medical inspection and management that makes it possible to acquire the fundamental professional skills. The essential practical skills – those from the intramuscular injection up to cardiopulmonary resuscitation – are drilled on the most up-to date training mannequins and robots. The synthesis of the accumulated knowledge gives a clear understanding of the core skills, expected in MD qualification. The obtained base becomes the foundation for further study of clinical subjects and application of the skills in a variety of clinical cases in practice.

Objectives:

- set up medical activity under the rules of asepsis in the in-patient and out-patient departments;
- nursing care and transportation of seriously sick patients;
- preparation of the patients for various types of medical inspection, pre-surgery preparation
- form the skills of interaction with patients in compliance with deontology and ethic norms, depending on the revealed pathology and patients' characterological features;
- get notions of the first principles of desmurgy;
- preparedness to render the first medical aid in urgent states.

Competences, formed in the course of practice

Competence and code (or its parts)	Code and indicator of competence
<i>General professional competencies (GPC)</i>	
GPC-4: ability to use the medical supplies and devices according to the rules of proving the medical aid, as well as to carry out medical examination to make a proper diagnosis	A GPC 4 – makes use of medical supplies and devices according to the rules of proving the medical aid; prescribes medical supplies
To know:	
<ul style="list-style-type: none"> - the main data on the work of the cardiovascular and respiratory systems; - the main modes of drug administration, indications and contraindications for various types of injections: <ul style="list-style-type: none"> - Storage of medicines - Enteral mode of drug administration - Parenteral mode of drug administration - Oxygen therapy 	

To be able to: <ul style="list-style-type: none"> - Take ECG, pulse oximetry, blood pressure, thermometry; - explain to the patient the essence of the forthcoming method of drug administration, gain informed consent for the procedure and administration of the injection. Administer oxygen therapy. 	
Possess: <ul style="list-style-type: none"> - techniques of palpation, percussion and auscultation of the cardiovascular system; - techniques of intramuscular, intradermal, subcutaneous and intravenous injections. 	
GPC -6: is able to provide care, first medical aid, organization of work and to make professional decisions in emergency states at the pre-hospital stage, in emergency cases, epidemics and in centers of contamination or destruction	AGPC 6 - organizes and provides patient care
To know: <ul style="list-style-type: none"> - mechanisms of functioning of the cardiovascular, digestive, musculoskeletal, respiratory and urinary systems, types of the body allergic reactions. Clinical manifestations of disorders of the cardiovascular, digestive, respiratory, urinary and immune systems; - cardiovascular, digestive, respiratory, urinary and musculoskeletal systems, their role in maintaining and regulating body homeostasis, characteristics and functional features of conditions associated with the violation of the above systems; - allergic reaction as the body protective response to foreign antigens, the mechanism of its development 	
To be able to: <ul style="list-style-type: none"> - check the presence of consciousness, respiration, injuries and assess the degree of damage, take pulse and blood pressure 	
To possess: <ul style="list-style-type: none"> - the skill of basic CPR, tube feeding techniques, bandaging and transport immobilization, cleansing and washing procedures. 	

The form of final assessment is a credit-test in 3rd term.

3. THE PLACE OF PRACTICE IN THE STRUCTURE OF THE EDUCATIONAL PROGRAM

Educational practice B2. O. O3 "Simulation training in nursing" is implemented as a compulsory part of Block 2 "Educational Practice", according to the curriculum of the specialty 31.05.01 General Medicine.

The previous disciplines, the educational practice "Simulation training in nursing" directly bases upon, are:

- *Bioethics*

Knowledge: moral and ethical standards, rules and principles of professional medical conduct, patient's and physician's rights, basic ethical papers of the international and domestic professional medical associations and organizations;

Skills: Build up and maintain working relationships with other team members

Skills: principles of medical deontology and medical ethics

- *Human Anatomy*

Knowledge: anatomical, physiological, age and gender-related individual features of the structure and development of the human body.

Skills: to palpate the main bone landmarks on a person, to outline the topographic contours of organs and the main vascular and nerve trunks;

Skills: possess medical and anatomical conceptual apparatus;

- *Histology with Embryology*

Knowledge: the main patterns of development and vital activity of the human body based on the structural organization of cells, tissues and organs; histofunctional features of tissue

elements; methods of their research;

Skills: to analyze the histophysiological assessment of the state of various cellular, tissue and organ structures of the body;

- *General Physiology*

Knowledge: functional systems of the human body, their regulation and self-regulation when exposed to the external environment in norm;

Skills: interpret the results of the most common methods of laboratory and functional diagnostics, thermometry, pulse oximetry.

- *Jurisprudence*

Knowledge: patient's and physician's rights.

Skills: to know the current regulatory legal acts on labor, apply the norms of labor legislation in specific practical situations; protect the civil rights of physicians and patients of various ages.

Educational practice "Simulation training in nursing" is fundamental for the study of the following disciplines: Anesthesiology and Resuscitation, Propaedeutics to Internal Diseases, Intermediate (faculty) Therapy and Advanced (hospital) Therapy.

4. LABOUR INTENSITY AND TYPES OF WORK.

The total labor intensity of educational practice is 2 credit units.

Type of educational work	Total hours	Semester № 3
Classroom-bases hours (total)	36	36
Including:		
Practical classes (PC)	36	36
Students' self-study (SSS)	36	36
Including:		
<i>Preparation for practical classes</i>	36	36
Type of intermediate assessment (credit-test)	Credit-test	Credit-test
Total labor intensity:		
Hours	72	72
Credit units	2	2

4.2. Practical Classes Schedule

PC №	Topic of the practical class	Forms of monitoring		Hours per semester №
		current	end-of-course	
1.	Introductory lesson. Introduction of the students to the work of the Department, curriculum, goals and objectives of the discipline, standards of dress and appearance. Information on the educational and methodical literature.	T, PS, CS	CQ	2
2.	Hospital-acquired (nosocomial) infection. Asepsis. Disinfection. Sterilization. Antiseptic. Medical hand-wash and scrub-up. Use of medical gloves, mask and robe.	T, PS, CS	CQ	2
3.	Clinical hygiene of the patient. Skin, hair, nails, ears, eyes and nasal cavity care of seriously sick patient. Oral care delivery. Perineum and external genital organs care in bedridden patients. Syringing (irrigation). Perineum and external genital organs care delivery in seriously sick	T, PS, CS	CQ	2

	patients. Assisting the critically sick patients with bedpan. Nurse's manipulation to change bedclothes and underwear of seriously sick patient. Occupied bed making. Transporting patients. Repositioning of bedridden patients. Transportation on stretchers. Bedsores prevention and management.			
4.	The notion of stomas. Tracheostomy and gastrostomy care. Intestinal stoma and epicystostomy care. Aid in rehabilitation. Definition of "Medical nutrition". Methods of feeding. Artificial feeding. Body mass index, definition, clinical significance.	T, PS, CS	CQ	2
5.	Patient's preparation for laboratory and instrumental methods of medical inspection. Preparation for medical check-up and blood sampling. Preparing for the medical inspection and urine draw. Preparing for medical inspection and feces draw. Preparation for medical inspection and sputum draw. Taking the contents of the pharynx, nose and nasopharynx for bacteriological examination. Pinworm eggs detection.	T, PS, CS	CQ	2
6	Preparation for the X-ray and endoscopic methods of medical inspection.	PS, CS		2
7	Fundamentals of physiotherapy (vacuum therapy, "distracting" procedures, hirudotherapy). Oxygen therapy.	T, PS, CS	CQ	2
8	Desmurgy: training in the technique of applying soft bandages.	T, PS, CS	CQ	2
9	Traumas. Injuries. Sprains and ruptures. Concussions (commotions, contusions). Compression. Closed injuries of the chest. Closed injuries of the abdominal organs.	T, PS, CS		2
10	Thermal (heat) injuries. Burns. Cold (freezing) injuries.	T, PS, CS		2
11	Thermometry. Heart rate measurement. Blood pressure measurement. Patient's preparation and ECG technique. Respiratory pathology. Respiratory rate measurement.	T, PS, CS	CQ	2
12	Emergency aid in acute cardiovascular and respiratory failures. Terminal state. Basic cardiopulmonary resuscitation. Features of resuscitation in children.	T, PS, CS	CQ	2
13	Acute vascular failure. Syncope. Collapse. Heatstroke. Sunstroke. Anaphylactic shock. Drowning. Upper airway aspiration with the foreign object (choking, obstruction).	T, PS, CS		2
14	Probing. Gastric lavage. Duodenal intubation. Colonic (flatus) tube placement. Enemas. Medicinal enemas. Cleansing (purgative) enema. Laxative enemas. Siphon enema.	T, PS, CS	CQ	2
15	Bladder catheterization. Catheter care. Perineum care delivery in male and female patients with bladder catheterization.	PS, CS		2
16	Medicines in nursing practice. Administration and storage of medicines. Modes of drug administration. External drug administration. Inhalation. Enteral drug administration.	T, PS, CS	CQ	2
17	Parenteral drug administration. Post-injection complications.	T, PS, CS	CQ	2
18	Preparation for the credit-test.			2

Total:	36
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5. Content of the practical course

№ п/п	Sections of the course	Content of the section	Competency code	Labor intensity (in hours)	Assessme nt forms
1.	Introduction to the subject	PC.1. Introductory lesson. Introduction of the students to the work of the Department, curriculum, goals and objectives of the discipline, standards of dress and appearance. Information on the educational and methodical literature.	IA- 1 GPC- 6	2	T, PS, CS
2.	General Issues of Infection Control	PC.2.Hospital-acquired (nosocomial) infection. Asepsis. Disinfection. Sterilization. Antiseptic. Medical hand-wash and scrub-up. Use of medical gloves, mask and robe.	IA -1 GPC-4	2	T, PS, CS
3.	The fundamentals of nursing care and transportation	PC.3. Clinical hygiene of the patient. Skin, hair, nails, ears, eyes and nasal cavity care of seriously sick patient. Oral care delivery. Perineum and external genital organs care in bedridden patients. Syringing (irrigation). Perineum and external genital organs care delivery in seriously sick patients. Assisting the critically sick patients with bedpan. Nurse's manipulation to change bedclothes and underwear of seriously sick patient. The occupied bed making. Patient's transportation. Repositioning of bedridden patients. Transportation on stretchers. Bedsores prevention and management	IA -1 GPC-6	2	T, PS, CS
4.	Medical Nutrition Basics	PC.4. The notion of stomas. Tracheostomy. Gastrostomy care. Intestinal stoma care. Nursing the patients with epicystostomy. Feeding the patients with intestinal stoma. Aid in rehabilitation. Patients' food hygiene. Definition of "Medical nutrition". Methods of feeding. Artificial feeding. Body mass index, definition, clinical significance.	IA -1 GPC-4; IA -1 GPC-6	2	T, PS, CS
5.	Medical examination and preparation of patient for various types of medical inspection	PC.5. Patient's preparation for laboratory and instrumental methods of medical inspection. Preparation for medical check-up and blood sampling. Preparing for the medical inspection and urine draw. Preparing for medical inspection and feces draw. Preparation for medical inspection and sputum	IA -1 GPC-6	2	T, PS, CS

		draw. Taking the contents of the pharynx, nose and nasopharynx for bacteriological examination. Pinworm eggs detection.			
		PC.6. Preparation for the X-ray and endoscopic methods of medical inspection		2	PS, CS
6.	Fundamentals of Physiotherapy	PC.7. Fundamentals of physiotherapy (vacuum therapy, "distracting" procedures, hirudotherapy). Oxygen therapy..	IA -1 GPC-4	2	T, PS, CS
7.	Fundamentals of Desmurgy and Injuries	PC.8. Desmurgy: training in the technique of applying soft bandages.	IA -1 GPC-4	2	T, PS, CS
		PC.9. Traumas. Injuries. Sprains and ruptures. Concussions (commotions, contusions). Compression. Closed injuries of the chest. Closed injuries of the abdominal organs.		2	T, PS, CS
		PC.10. Thermal (heat) injuries. Burns. Cold (freezing) injuries.		2	T, PS, CS
8.	Basic medical manipulations, used in nursery	PC.11. Thermometry. Heart rate measurement. Blood pressure measurement. Patient's preparation and ECG technique. Respiratory pathology. Respiratory rate measurement	IA -1 GPC-4; IA -1 GPC-6	2	T, PS, CS
9.	Urgent states	PC.12. Emergency aid in acute cardiovascular and respiratory failures. Terminal state. Basic cardiopulmonary resuscitation. Features of resuscitation in children.	IA -1 GPC-4; IA -1 GPC-6	2	T, PS, CS
		PC.13. Acute vascular failure. Syncope. Collapse. Heatstroke. Sunstroke. Anaphylactic shock. Drowning. Upper airway aspiration with the foreign object (choking, obstruction).		2	T, PS, CS
10	Basics of cleansing and washing procedures	PC.14. Cleansing and washing procedures. The procedure of personal protective equipment (PPE-mask gown and gloves) donning and doffing. Probing. Gastric lavage. Duodenal intubation. Colonic (flatus) tube placement. Enemas. Medicinal enemas. Cleansing (purgative) enema. Laxative enemas. Siphon enema.	IA -1 GPC-4; IA -1 GPC-6	2	T, PS, CS
		PC.15. Bladder catheterization. Catheter care. Perineum care delivery in male and female patients with bladder catheterization.		2	PS, CS

11	Fundamentals of drug administration in nursing practice	PC.16. Medicines in nursing practice. Administration and storage of medicines. Modes of drug administration. External drug administration. Inhalation. Enteral drug administration.	IA -1 GPC-4; IA -1 GPC-6	2	T, PS, CS
		PC. 17. Parenteral drug administration. Post-injection complications.		2	T, PS, CS
12	End-of-course assessment	Credit-test	IA -1 GPC-4; IA -1 GPC-6	2	CQ

6. PRACTICE REPORTING FORMS

- Forms of reporting on the results of practice are: educational and research work (presentation).
- Diary, characteristic, report.

7. EVALUATION PACKAGE FOR CURRENT MONITORING OF PROGRESS AND MIDTERM CERTIFICATION ON THE RESULTS OF PRACTICE.

7.1. Current monitoring of progress.

Examples of assessment tools for current and midterm monitoring of academic performance.

INTERVIEW ON CONTROL QUESTIONS.

Topic 10. Thermometry. Heart rate measurement. Blood pressure measurement. Patient's preparation for ECG and ECG technique. Respiratory pathology. Respiratory rate measurement.

Code of competency under control: **IA-1 GPC-4; IA-1 GPC-6 («to know»)**

- Definitions of pulse, cardiac and respiratory rates.
- Definitions of bradycardia, tachycardia, bradypnea, tachypnea
- Preparation of the patient for blood pressure measurement
- Definition of the concepts of systolic, diastolic, mean arterial pressure and their indicators
- What is an electrocardiogram?

Evaluation criteria for current monitoring (interview on control questions):

✓ «Excellent»:

Student shows comprehensive knowledge of the topic under study, formulates complete and correct answers to all the questions, gives logical presentation of the material and understands the interrelations of the key terms, supplies answers to all the clarifying and extra questions. The student demonstrates knowledge of theoretical and practical material on the topic of the lesson.

✓ «Good»:

Student is competent in the textbook material and the basic literature, is able to supply practically complete answers to all the additional and clarifying questions. Student demonstrates knowledge of theoretical and practical material on the topic under study with some insignificant mistakes.

✓ «Satisfactory»:

Student possesses the material of practical class in the main, however, not all the clarifying and additional questions are satisfied. Student is not confident with his task, gives incomplete answers and needs the teacher's guidance

✓ «Bad»:

Student shows significant gaps in the essential material of the practical class, fails to supply the questions with appropriate answers and to respond to the clarifying and additional

questions. Student gives the inadequate assessment of the situation and chooses the wrong algorithm of actions. Student gets “Bad”, if he is not ready with the topic of the practical class.

TESTING

Topic 2. Hospital-acquired (nosocomial) infection. Asepsis. Disinfection. Sterilization. Antiseptic. Medical hand-wash and scrub-up. Use of medical gloves, mask and robe.

Codes of the competencies under control: **IA-1 GPC-4 («to know»)**

1. The possible sources of hospital-acquired (nosocomial) infection are:
 - a) medical staff;
 - b) bacteria-carriers;
 - c) patients with latent or chronic form of infection;
 - d) all options correct.
2. Causes of host susceptibility to infection include all of the following except:
 - a) unfavorable environment;
 - b) age;
 - c) good nutrition;
 - d) persistence of chronic diseases.
3. Patients at highest risk for nosocomial infection are:
 - a) urological department patients;
 - b) physiotherapy department patients;
 - c) therapeutic department patients;
 - d) at outpatient appointments.
4. Invasive procedures include..., (strike out what does not apply):
 - a) bladder catheterization;
 - b) intramuscular injection;
 - c) measurement of blood pressure;
 - d) surgical intervention.
5. The first chain of the epidemic process is:
 - a) a susceptible organism;
 - b) transmission mechanism;
 - c) source of infection;
 - d) modes of transmission.

Criteria for assessing the current academic performance (testing):

- ✓ «Excellent»: 100-90%
- ✓ «Good»: 89-70%
- ✓ «Satisfactory»: 69-51%
- ✓ «Bad»: <50%

PRACTICAL SKILLS (CPR simulator)

Topic 11. Emergency aid in acute cardiovascular and respiratory failures. Terminal state. Basic CPR. Features of resuscitation in children.

Codes of the competencies under control: **IA-1 GPC-4; IA-1 GPC-6 («to possess»)**

Algorithm for basic CPR

Criteria for assessing the current academic performance. (robot for practicing CPR skills):

- ✓ «Bad»:
The student does not have the practical skills of basic CPR and does not know the algorithm for performing basic CPR.
- ✓ «Satisfactory»:
The student possesses basic skills, but makes mistakes and is inaccurate with the use of scientific

terms and work on the simulator. In the main, the student is able to independently apply the key positions in the material studied. The student is able to perform the basic CPR.

✓ «Good»:

The student covers the entire studied material, presents the material consistently, makes minor mistakes and inaccuracies when presenting the studied material. The student lacks skills of working with reference books, textbooks, primary sources; knows the main hallmarks on the body, but work on simulators is unconfident.

✓ «Excellent»:

The student independently finds out the key points in the material under study and is able to give a brief description of the main aspects of the material. The student copes with the basic CPR. The student shows profound and complete knowledge of the whole scope of the subject under study.

CASE STUDIES

Topic 2. Hospital-acquired (nosocomial) infection. Asepsis. Disinfection. Sterilization. Antiseptic. Medical hand-wash and scrub-up. Use of medical gloves, mask and robe.

Codes of the competencies under control: IA-1 GPC-4; («to be able»)

Case 1

The nurse took blood from the patient's vein for analysis. Observing all the rules of sterility, she did not put sterile gloves on and worked without gloves. After having taken blood from the patient's vein, the nurse proceeded to other administrations. *Was there anything wrong in the this algorithm?*

Criteria for evaluating case studies:

✓ « Excellent »:

Student correctly responds to the question. The explanation of the course of its solution is detailed, consistent, competent, with theoretical substantiation (including from the lecture course), with the necessary schematic images and demonstrations on phantoms, with the correct and fluent knowledge of terminology; answers to additional questions are correct, clear.

✓ «Good»:

Student correctly responds to the question. The explanation of the course of its solution is detailed, but not logical enough, with single errors in details, some difficulties in theoretical substantiation (including from lecture material), in schematic images and demonstrations on phantoms, some errors in the use of terms ; answers to additional questions are correct, but not clear enough.

✓ «Satisfactory»:

Student responds to the question correctly. The explanation of the course of its solution is not complete enough, inconsistent, with errors, poor theoretical substantiation (including lecture material), with significant difficulties and errors in schematic images, demonstrations on phantoms, in the use of terms; answers to additional questions are not clear enough, with errors in details.

✓ «Bad»:

Response to the question is incorrect. The explanation of the course of its solution is incomplete, inconsistent, with gross errors, with no theoretical substantiation (including lecture material); answers to additional questions are incorrect (missing).

7.2. Intermediate certification on the results of the discipline mastering

7.2.1. Form of intermediate certification – credit-test. Semester-3.

7.2.2. The mid-term assessment is an objectively structured clinical credit-test.

7.2.3. Sample Questions for an Objectively Structured Credit-Test (IA-1 GPC-4; IA-1 GPC-6).

1. Indications and technique of bladder catheterization in females, contraindications.
2. Indications and technique of bladder catheterization in males, contraindications.
3. Indications and technique of Desault's bandage applying.
4. Indications and technique of the capeline bandage applying.
5. Indications and technique of the "Bridle" bandage applying.
6. Indications and technique of the Hippocrates' cap bandage applying.
7. Indications and technique of figure-of-eight (cross) bandage over the hand.
8. Indications and technique of the shoulder joint bandaging.
9. Indications and technique of spica (spiral reverse) bandage on the knee.
10. Indications and technique of applying the convergent bandage on the hand.

7.2.4. Sample credit-test card

Dagestan State Medical University
FSBEI HE DSMU of Health Ministry of Russia
Department of "Medical simulation and practice"
General Medicine
Simulation training in Nursing Care

Card № 12

1. Technique of electrocardiography.
 2. Siphon enema technique. Indications, contraindications.
 3. Indications and algorithm for hypodermic (subcutaneous) injection.
- Approved at the Department meeting « 24 » 08 2021.

7.2.5. The grading system for evaluating the results of the practice, a description of the grading scales.

Evaluation criteria	Grading	
	«failed»	«passed»
Code of the competency (or its part) or code and the indicator of competency accomplishment		
IA- 1 GPC-4		
To know	Does not know the main parameters of the work of the cardiovascular and respiratory systems; the main routes of drug administration, indications and contraindications for various types of injections	Knows the main parameters of the work of the cardiovascular and respiratory systems; the main routes of drug administration, indications and contraindications for various types of injections
To be able to	Is not able to take ECG, pulse oximetry, blood pressure and body temperature; can't explain to the patient the essence of the forthcoming method of drug administration and gain informed consent for the procedure, fails to properly administer the injection and oxygen therapy.	Is able to take ECG, pulse oximetry, blood pressure and body temperature; explain to the patient the essence of the forthcoming method of drug administration and gain informed consent for the procedure, is able to properly administer the injection and oxygen therapy.
To possess	Does not possess the methods of palpation, percussion and auscultation of the cardiovascular system; techniques for intramuscular, intradermal, subcutaneous and intravenous injections	Possesses the methods of palpation, percussion and auscultation of the cardiovascular system; techniques for intramuscular, intradermal, subcutaneous and intravenous injections
Code of the competency (or its part) or code and the indicator of competency accomplishment.		
IA- 1 GPC-6		
To know	Does not know the mechanisms of the cardiovascular, digestive, respiratory and	Knows the mechanisms of the cardiovascular, digestive, respiratory and urinary system

	urinary system functioning, the types of the body allergic reactions; knows clinical manifestations of the cardiovascular, digestive, respiratory, urinary and immune system disorders	functioning, the types of the body allergic reactions; knows clinical manifestations of the cardiovascular, digestive, respiratory, urinary and immune system disorders
To be able to	Is not able to check the vital signs: consciousness and respiration; fails to properly take pulse and blood pressure	Is able to check the vital signs: consciousness, respiration; to take pulse and blood pressure
To possess	Does not possess the skill of the basic CPR, probing techniques, cleansing and washing procedures	Possesses the skill of the basic CPR, probing techniques, cleansing and washing procedures

VIII. EDUCATIONAL, METHODOLOGICAL AND INFORMATION SUPPORT OF THE COURSE

8.1. Basic literature

Paper resources

№	Sources	Copies available in the library
1	Grebenov A.L. Fundamentals of General Nursing: A Study Guide for Students of Medical Universities / A.L. Grebenov. - Moscow: Meditsina, 1999. -254p. – Text: ISBN 5-225-4448-4:1-50	44
2	Oslopov V.N. General nursing in a therapeutic clinic: a textbook for students of medical universities / V.N. Oslopov, O.V. Bogoyavlenskaya. - 3rd ed., - Moscow: GEOTAR-Media, 2008. -464p. – ISBN 978-5-970-0883-4:480-00	463

Electronic resources

№	Sources
1.	General nursing the therapeutic patients: textbook/ ed. V. N. Oslopova, O. V. Bogoyavlenskaya. - Moscow: GEOTAR-Media, 2017. - 464 p. // student electronic library: electronic library system. - Moscow, 2019. - Access mode. - URL: https://www.studentlibrary.ru/book/ISBN9785970441138.html . - E-text.

8.2. Supplementary literature

Paper resources

№	Sources	Copies available in the library
1	General surgery: textbook for students of Medical Universities / ed. VC. Gostishchev. - 4th ed., - Moscow: GEOTAR-Media, 2006. - 832 p. – Text: printed. ISBN 5970402664:480-00	94
2	Textbook for the course of General Surgery: test questions, methods of practical skills implementation, case studies / ed. V.N. Chernov. - Rostov-on-Don: CJSC "Kniga", 2003. - 576 p. – Text: printed. ISBN 587-259-237	10
3	General surgery: a textbook with a CD for medical students / ed. S.V. Petrov. - 3rd ed., revised. and ed. - Moscow: GEOTAR-Media, 2005. -768 p. – Text: printed. ISBN 5-9704-0104-8:480-00	94

E- sources

№	Sources
1	Gostishchev V.K., General surgery: textbook / V.K. Gostishchev. - 5th ed., Rev. and add. - M .: GEOTAR-Media, 2015 .-- 728 p. electronic library system. – Moscow, 2019.- ISBN 978-5-9704-3214-3 - Access mode: http://www.studmedlib.ru/book/ISBN9785970432143.html . E-text
2	Petrov S.V., General Surgery / Petrov S.V. - M .: GEOTAR-Media, 2010 - 768 p. electronic library system. – electronic library system. – Moscow, 2019. - ISBN 978-5-9704-1572-6. - Access mode: http://www.studmedlib.ru/book/ISBN9785970415726.html . - E-text

8.3. Resources of the "Internet" Information and Telecommunication network

№	Source	Website
1	"Student's Consultant" electronic library system	http://www.studmedlib.ru Access by login and password.
2	"Doctor's Consultant" electronic library system	http://www.rosmedlib.ru Access by login and password.
3	Health Ministry of the Russian Federation	http://minzdrav.gov.ru/
4	Infamed	http://www.infamed.com/
5	E- library of textbooks	http://studentam.het/
6	Scientific e-library	https://www.elibrary.ru/
7	Medical e-library	http://www.medliter.ru/
8	State Central Scientific Medical Library	http://www.scsml.ru
9	On-line medical library	http://med-lib.ru/
10	Russian State Library	https://www.rsl.ru/
11	Federal Electronic Medical Library of the Health Ministry	http://www.femb.ru/feml/ http://feml.scsml.rssi.ru/
12	Medline (PubMed, USA)	https://www.ncbi.nlm.nih.gov/pubmed/

8.4. Information Technologies

List of information reference systems:

1. **Digital educational medium of DSMU.** URL: <https://lms.dgmu.ru>
2. **"Student's Consultant":** electronic library system. URL: <http://www.studmedlib.ru>. Login and password access mode.
3. **Doctor's consultant:** electronic library system. URL: <http://www.rosmedlib.ru>. Login and password access mode..
4. **Federal Electronic Medical Library (FEML).** URL: <http://feml.scsml.rssi.ru>
5. **Scientific electronic library eLibrary.** URL: <https://elibrary.ru/defaultx.asp>
6. **Medical reference and information system.** URL: <http://www.medinfo.ru/>
7. **CyberLeninka Scientific electronic library.** URL: <http://cyberleninka.ru>
8. **RFBR electronic library.** URL: <http://www.rfbr.ru/>

List of licensed software:

1. WINDOWS 10 Pro 64 Bit Operating system
2. MS OFFICE 2013 Professional software package
3. Anti-virus Kaspersky Edition Security 10.

List of Free Software:

1. ZoomMeetings Video Conferencing Program.

IX. MATERIAL AND TECHNICAL SUPPORT

N п/п	Type of the premise (classroom, laboratory, computer class, etc.) with the address (location) of the building, clinical base, building, structure, premises, area of the premises, its purpose (for self-study, for practical classes, current monitoring, mid-term assessment, e-learning, lectures, etc.)	The equipment
1	Multiprofile Accreditation and Simulation Center (MASC) of DSMU, 44 Shamil Ave.	
2	Study-rooms No. 1, 2, 3, 4, 5 on the ground floor, 44 Shamil Ave. (200 m ²)	Phantom for intramuscular injection. Phantom for abdominal injections in diabetes. Simulator for practicing intravenous injections. Probing and gastric lavage

		phantom. Phantom for urinary catheterization (in male and female). Robot for practicing basic cardiopulmonary resuscitation skills. Mannequin for performing the Heimlich maneuver. Mannequin for blood pressure measurement, desks, chairs.
3	Lecture hall №1 of MASC, 44 Shamil Avenue (70 m ²)	Multimedia complex (laptop, projector, screen), desks, chairs
4	Conference- hall №1 of MASC, 44 Shamil Avenue (80 m ²)	Multimedia complex (laptop, projector, screen), desks, chairs
5	Lecture hall №3 of MASC, 44 Shamil Avenue (500 m ²)	Multimedia complex (laptop, projector, screen), desks, chairs
6	Teachers' office	PCs-2; Canon MF-232W printer
7	Head of the Department Office	PCs-2; Kyocera M-2235dn printer
8	For students' self-study (1. A. Aliyev st., biological building, 1st floor, scientific library of the DSMU) (65 m ²)	Desks, chairs

The implementation of the educational practice "Simulation training in nursing" is provided with a material and technical base that complies with the current sanitary and fire rules and regulations.

X. METHODOLOGICAL RECOMMENDATIONS FOR PRACTICE ORGANIZATION.

The section provides with the following information:

- a list of documents, regulating activities during practice - contracts, orders, regulations, methodological manuals, instructions, etc.;
- rights and duties of the students, Heads and supervisors of the practice;
- requirements for reporting documents is available in section 6.

The list of possible applications should include the following materials:

- practice diary form;
- a sample of the title page of the practice report;
- a sample of the practice report record;
- form of an individual assignment for practice;
- examples of the report forms, etc.

XI. FEATURES OF ORGANIZATION OF EDUCATIONAL PRACTICE FOR STUDENTS WITH DISABILITIES AND SPECIAL HEALTH NEEDS.

To meet the needs of the disabled students and students with special health needs, the accessibility to the workplace is taken into account. This requirement is consistent with the recommendations of the medical and social expertise, reflected in the individual program for the rehabilitation of a disabled person.

If necessary, this category of students is provided with special workplaces, adjusted for their professional type of activity and kind of work they carry on.