

Approved by
Deputy Rector for Academic Affairs

_____ E.V. Konovalova

“ 15 ” June 2023, Record No.5_

Professional Practice, Urgent Medical Manipulations Using Simulation Technologies

Syllabus

Department	Cardiology	
Curriculum	s310501-ЛечДело-ИН-23-1.pli.xml Specialty 31.05.01 General Medicine	
Qualification	General Practitioner	
Form of education	Full-time	
Total (in credits)	7	
Total academic hours including:	252	Control: Credit B,C term
Classes	112	
Self-study	140	
Control hours	0	

Course outline in terms

Academic year (Term)	6 (6.11)		6.12		Total	
	Cur	Syl	Cur	Syl	Cur	Syl
Weeks						
Types of classes						
Lectures	-	-	-	-	-	-
Practical	64	64	48	48	112	112
Self-study	80	80	60	60	140	140
Control hours	-	-	-	-	-	-
Total	144	144	108	108	252	252

The Syllabus is compiled by:

PhD in Medical Sciences, Associate Professor, Vorobyov A.S. _____

Lecturer, Astrakhantseva I.D. _____

The Syllabus

Professional Practice, Urgent Medical Manipulations Using Simulation Technologies

Developed in accordance with Federal State Educational Standard:

Federal State Educational Standard of higher education in the specialty 31.05.01 General medicine (Order of the Ministry of Education and Science of the Russian Federation on August 12, 2020 No. 988)

Based on the Curriculum:

31.05.01 GENERAL MEDICINE

Specialization: General Medicine

Approved by the Academic Council of Surgut State University, “ ” _____ 2023, Record No. _____

The Syllabus was approved by the department

Cardiology

“ ” _____ 2023, Record No.

Head of Department, PhD in Medical Sciences , Associate Professor, Urvantseva I.A.

Chairman of Academic and Scientific Council, PhD in Medical Sciences (Medicine), Senior Lecturer Vasilyeva E.A.

« » _____ 2023 , Record No.

1. PRACTICE OBJECTIVES

- 1.1 **The purposes** are the formation by students of a system of competencies for the required volume of urgent measures in professional activity, the formation and development of professionally significant personality traits. Industrial practice is an integral part of the main educational program of higher education and the most important qualified training.
- 1.2 The **objectives** of the practice are:
- to form the ability and willingness to implement the ethical and deontological aspects of medical practice in communication with colleagues, nurses and nurses, adults and adolescents.
 - to form the ability and readiness to analyse medical information, based on the comprehensive principles of evidence-based medicine, based on finding solutions using theoretical knowledge and practical skills in order to improve professional performance.
 - to form the ability and willingness to analyse the results of their own activities to prevent medical errors, while being aware of disciplinary, administrative, civil and criminal liability.
 - to form the ability and readiness to conduct and interpret data from anamnesis, results of physical examination, clinical examination, data of modern laboratory and instrumental studies, including on the basis of interactive interaction with robotic simulators.
 - to form the ability and readiness to make pathophysiological analysis of clinical syndromes, to substantiate pathogenetically justified methods (principles) of diagnosis, treatment, rehabilitation and prevention among adults and adolescents.

2. COURSE OVERVIEW

Course code (in B2.O.02.08(II))

2.1 **Assumed background:**

Introduction to Speciality. Ethics and Deontology (Bioethics)

Topographic Anatomy, Operative Surgery

Microbiology, Virology

Pharmacology

Pathophysiology

Hygiene

Physics, mathematics

Biochemistry

Neurology, medical genetics, neurosurgery

Infectious diseases

Internal Diseases Propaedeutics

X-Ray Diagnostics

Otorhinolaryngology

Faculty therapy

Hominal physiology

Human anatomy

Clinical Pathologic Anatomy

Human genetics

Immunology and Allergology

2.2 **Post-requisite courses and practice:**

Obstetrics

Gynaecology

Hospital Therapy (5, 6 years)

Endocrinology

Outpatient Therapy

Faculty Surgery

Clinical Surgery

Educational Practice in Research (primary research skills)

Professional Practice, General Practitioner Assistant

3. PLACE AND PERIOD OF PRACTICE

Term	Place	Department	Period
Term B	Surgut State University	Simulation, Training and Accreditation Center	During the Term
Term C	Surgut State University	Simulation, Training and Accreditation Center	During the Term

5. Mode of practice – stationary

6. Form of practice – discrete

4. COMPETENCES UPON COMPLETION OF THE PRACTICE

UC-3.1:	Determines his/her role in the team based on the strategy of cooperation to achieve the goal
UC-3.2:	Considers the behavior of other team members while implementing his/her role in the team
UC-3.3:	Analyzes the possible consequences of personal actions and plans his/her actions to achieve the pre-planned result
UC-4.1:	Chooses the style of communication in the State language of the Russian Federation in accordance with the purpose and conditions of communication
UC-5.3:	Upholds the principles of tolerance and respect of fundamental human and civil rights in personal and social communication in order to solve professional tasks and enhance social integration
GPC-1.1:	Knows the legislation of the Russian Federation on the rights and obligations of citizens in the field of healthcare (Constitution of the Russian Federation as amended in 2020, No. 323-FZ) and is able to implement legal norms, ethical and deontological principles of professional activity
GPC-1.2:	Knows the legislation of the Russian Federation on the legal basis of medical activity (Labor Code of the Russian Federation, No. 326-FZ, No. 323-FZ) and is able to form the doctor-patient relationship within the legal framework
GPC-1.3:	Able to apply ethical and deontological principles in professional activity
GPC-4.1:	Knows the physical principles of instrumental methods and equipment for diagnosing human diseases aimed at effective and differentiated application in professional activities
GPC-4.3:	Able to apply knowledge and skills in conducting a diagnostic search for diseases using medical equipment (products) to establish a diagnosis
GPC-5.8:	Knows the mechanisms of development of general pathological processes and the pathogenesis of various diseases and pathological conditions of a person; is able to identify the leading factors of pathogenesis in their relationship with a specific disease or pathological condition and substantiate effective pathogenetic therapy
GPC-5.10:	Knows the etiology and pathogenesis of diseases, which is necessary to assess the physiological state and pathological processes in order to diagnose, treat and prevent diseases
GPC-6.3:	Ready to make professional decisions in emergency situations, epidemics and in outbreaks of mass destruction, to provide medical assistance in emergency situations, including participation in medical evacuation, anti-epidemic measures, protection of the population in the outbreaks of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergencies
GPC-7.1:	Knows the classification, mechanism of action, pharmacokinetics, pharmacodynamics of drugs used in various fields of medicine; indications and contraindications for their prescription; possible side effects and complications; methods of non-drug therapy, their mechanism of effect, indications and contraindications for prescription to adult patients, possible side effects and complications
GPC-7.2:	Able to prescribe modern treatment regimens based on approved current Clinical Recommendations
GPC-7.3:	Able to monitor the effectiveness and safety of the treatment of diseases prescribed on the basis of the approved current Clinical Recommendations
PC-2.2:	Applies techniques, medicines and medical devices (defibrillator) for emergency and urgent care in sudden acute diseases, conditions, as well as exacerbation of non-life threatening chronic diseases not requiring emergency medical care
PC-2.3:	Performs basic cardiopulmonary resuscitation in the provision of emergency care for patients with sudden cessation of blood circulation and / or breathing
PC-5.2:	Provides various categories of patients with outpatient treatment, treatment in hospitals and high-tech medical care (HMC) centers applying drugs, medical devices and medical nutrition, according to clinical pattern and current procedures, standards of medical care, Clinical guidelines (treatment protocols)
PC-5.3:	Prescribes non-drug treatments to the patient, palliative and personalized medical care
PC-9.1:	Analyzes medical information
PC-11.1:	Able to use digital technologies and information tools to meet personal, educational and professional needs
PC-11.2:	Able to set tasks and develop decision algorithms using programming tools

By the end of the course students must:

4.1	Know:
4.1.1	- indications, contraindications, technique, complications, prevention of complications of first aid techniques, methods of protection in emergency situations;
4.1.2	- pharmacokinetics and pharmacodynamics of drugs, other substances and their combinations, used in emergency medical care: medical indications and medical contraindications for the appointment; possible complications, side effects, undesirable reactions, including serious and unforeseen ones;
4.1.3	- anatomy and physiology of morphofunctional, physiological conditions, etiology, pathogenesis, clinical, functional, laboratory diagnostics, differential diagnostics, treatment options for pathological processes in the human body in the provision of emergency medical care;
4.1.4	- diagnostic and treatment methods, prevention of complications, preparation of medical documentation in the provision of emergency medical care for conditions requiring urgent medical intervention.
4.2	Be able to:

4.2.1	- use first aid techniques in anesthesiology, intensive therapy of acute respiratory and cardiovascular failure, shock conditions and acute disturbances of consciousness, resuscitation of terminal states, in case of violations of the acid-base state and water-electrolyte metabolism, exo- and endotoxicosis;
4.2.2	- use methods of protection in emergency situations;
4.2.3	- use drugs, other substances and their combinations in anesthesiology, intensive therapy of acute respiratory and cardiovascular failure, shock conditions and acute disturbances of consciousness, resuscitation of terminal states, in case of violations of the acid-base state and water-electrolyte metabolism, exo- and endotoxicosis;
4.2.4	- evaluate morphofunctional, physiological conditions and pathological processes in anesthesiology, intensive therapy of acute respiratory and cardiovascular insufficiency, shock conditions and acute disturbances of consciousness, resuscitation of terminal states, in case of violations of the acid-base state and water-electrolyte metabolism, exo- and endotoxicosis;
4.2.5	- provide emergency medical care in the intensive care of acute respiratory and cardiovascular failure, shock conditions and acute disturbances of consciousness, resuscitation of terminal states, in case of violations of the acid-base state and water-electrolyte metabolism, exo- and endotoxicosis.
4.3	Have skills of:
4.3.1	- methods of providing first aid to patients in the presence of conditions that pose a threat to the life of patients, including a state of clinical death, in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care, methods of protection in emergency situations;
4.3.2	- determination of individual sensitivity and tolerance, methods of administration, regimen and dose of drugs, other substances, and their combinations to provide anesthesia, artificial replacement, maintenance and restoration of temporarily and reversibly impaired body functions in conditions that threaten the patient's life, in accordance with the current procedures provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care;
4.3.3	- evaluation of the effectiveness and safety of the drugs and other substances used, and their combinations to provide anesthesia, artificial replacement, maintenance and restoration of temporarily and reversibly impaired body functions in conditions that threaten the patient's life;
4.3.4	- assessment of morphofunctional, physiological conditions and pathological processes in the human body to provide anesthesia, artificial replacement, maintenance and restoration of temporarily and reversibly impaired body functions in conditions that threaten the patient's life;
4.3.5	- determination of indications and contraindications for medical interventions, the prescription of drugs and the use of medical devices in the provision of emergency medical care in conditions requiring urgent medical intervention;
4.3.6	- evaluation of the effectiveness and safety of the use of drugs and medical devices in the provision of emergency medical care in conditions requiring urgent medical intervention;
4.3.7	- prevention or treatment of complications, side effects, undesirable reactions, including serious and unforeseen ones, arising from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices in the provision of emergency medical care for conditions requiring urgent medical intervention;
4.3.8	- determination of individual sensitivity and tolerance, methods of administration, regimen and dose of drugs and other substances, and their combinations to provide anesthesia, artificial replacement, maintenance and restoration of temporarily and reversibly impaired body functions in conditions that threaten the patient's life, in accordance with the current procedures provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care.

5. STRUCTURE AND CONTENTS OF PRACTICE

Class Code	Topics /Class type	Term / Academic year	Academic hours	Competences	Literature	Interactive	Notes
Clinical scenarios: "Acute coronary syndrome", "Anaphylactic shock", "Gastrointestinal bleeding"							
1	Safety briefing for the correct operation of a robotic simulator /Self-study/	B	2			0	briefing log entry
2	Business Games on Clinical Scenarios /Practical/	B	62	UC-3.1, UC-3.2, UC-3.3, UC-4.1, UC-5.3, GPC-1.1, GPC-1.2, GPC-1.3, GPC-4.1, GPC-4.3, GPC-5.8, GPC-5.10,	L1.1 L1.2 L2.1 L2.2 L2.3 L2.4 L2.5	0	practice diary
	Clinical Scenarios Performance in Simulated Settings /Self-study/	B	76	GPC-6.3, GPC-7.1, GPC-7.2, GPC-7.3, PC-2.2,	L1.1 L1.2 L2.1 L2.2 L2.3 L2.4 L2.5	0	practice diary

	Debriefing /Practical/	B		PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1	L1.1 L1.2 L2.1 L2.2 L2.3 L2.4 L2.5	0	practice diary
4	Processing and analysis of Practice /Self-study/	B	2	PC-2.2, PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1	L1.1 L1.2 L2.1 L2.2 L2.3 L2.4 L2.5		practice diary, list of practical skills
5	Credit / Practice test/Practica /	B	2	UC-3.1, UC-3.2, UC-3.3, UC-4.1, UC-5.3, GPC-1.1, GPC-1.2, GPC-1.3, GPC-4.1, GPC-4.3, GPC-5.8, GPC-5.10, GPC-6.3, GPC-7.1, GPC-7.2, GPC-7.3, PC-2.2, PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1	L1.1 L1.2 L2.1 L2.2 L2.3 L2.4 L2.5	0	practice diary, report of the practice, oral quiz
	Total		144			0	
Class Code	Topics /Class type	Term / Academic year	Academic hours	Competences	Literature	Interactive	Notes
Clinical cases: "Broncho-obstructive syndrome complicating bronchial asthma", "Pulmonary embolism", "Hyperglycemia", "Acute stroke"							
1	Safety briefing for the correct operation of a robotic simulator /Self-study/	C	2		L1.1 L1.2 L2.1 L2.2 L2.3 L2.4 L2.5	0	briefing log entry
2	Business Games on Clinical Scenarios /Practical/	C	38	UC-3.1, UC-3.2, UC-3.3, UC-4.1,	L1.1 L1.2 L2.1 L2.2 L2.3 L2.4	0	practice diary
	Clinical Scenarios Performance in Simulated Settings /Self-study/	C	56	UC-5.3, GPC-1.1, GPC-1.2, GPC-1.3, GPC-4.1, GPC-4.3, GPC-5.8, GPC-5.10, GPC-6.3, GPC-7.1, GPC-7.2, GPC-7.3, PC-2.2,	L1.1 L1.2 L2.1 L2.2 L2.3 L2.4 L2.5	0	practice diary
	Debriefing /Practical/	C	8	PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1	L1.1 L1.2 L2.1 L2.2 L2.3 L2.4 L2.5	0	practice diary

3	Processing and analysis of practice /Self-study/	C	2	PC-2.2, PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1	L1.1 L1.2 L2.1 L2.2 L2.3 L2.4		practice diary, list of practical skills
4	Credit // Practical/	C	2	UC-3.1, UC-3.2, UC-3.3, UC-4.1, UC-5.3, GPC-1.1, GPC-1.2, GPC-1.3, GPC-4.1, GPC-4.3, GPC-5.8, GPC-5.10, GPC-6.3, GPC-7.1, GPC-7.2, GPC-7.3, PC-2.2, PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1	L1.1 L1.2 L2.1 L2.2 L2.3 L2.4 L2.5	0	practice diary, report of the practice, oral quiz
Total			108			0	

6. ASSESSMENT TOOLS

5.1. Tests and tasks

Supplement 1.

5.2. Topics for written papers

Supplement 1.

5.3. Assessment tools

Supplement 1.

5.4. List of assessment tools

Practice diary, briefing log entry, list of practical skills, test, oral quiz

7. COURSE (MODULE) RESOURCES

7.1. Recommended Literature

6.1.1. Core

	Authors	Title	Publish., year	Quantity
L 1.1	Svistunov A. A., Gorshkov M. D.	Simulation training in medicine	Moscow: Publishing house of the First Sechenov MSMU.	1
L1. 2	Stepanenko S.M.; Afukov I.I.; Zylbert E.V.; Isakov A.V.; Sichkar S.Yu.	Anesthesiology, resuscitation and intensive care in children: textbook	Moscow: GEOTAR-Media, 2016, https://www.studentlibrary.ru/book/ISBN9785970439371.html .	1
7.1.2. Supplementary				
L 2.1	Oslopov V. N., Bogoyavlenskaya O. V., Oslopova Yu. V. et al	Case history of the therapeutic patient [Electronic resource]: Manual https://www.studentlibrary.ru/book/ISBN9785970433836.html	Moscow: GEOTAR-Media, 2014.	1
L 2.2	Davey P.	Visual ECG [Text] = ECG at a glance: [study guide for students of medical schools and schools]	Moscow: GEOTAR-Media, 2011 .— 167 p.	3
L2. 3	Koryachkin V. A., Emanuel V. L., Strashnov V. I.	Anesthesiology, reanimation, intensive therapy. Clinic-laboratory diagnostics	Moscow: Urait Publishing House, 2018, https://www.biblio-online.ru/bcode/414286	1
L2. 4	Bogomolov B.N. [and others].	Practicum for novice anesthesiologists [Electronic resource].	Saint Petersburg: Foliant, 2011, http://www.iprbookshop.ru/60939.html	1

L 2.5	Lyusov V.A., Volov N.A., Gordeev I.G.	ECG in myocardial infarction: atlas [Electronic resource]	M.: GEOTAR-Media, 2009. - http://www.studmedlib.ru/book/ISBN9785970412640.html	
7.2. Internet resources				
E1	Student Consultant, http://www.studmedlib.ru , «Guarantor», «Consultant Plus», «Consultant-region», FreeMedicalJournals			
E2	Russian medical journal http://www.rmj.ru			
E3	Journal "Consilium medicum" http://www.consilium-medicum.com/media/consilium			
E4	Standards of medical care: http://www.rspor.ru/index.php?mod1=standarts3&mod2=db			
E5	Protocols for the management of patients:: http://www.rspor.ru/index.php?mod1=protocols3&mod2=db			
7.3. Software				
7.3.1	Operational system Microsoft, applied programs pack Microsoft Office			
7.3.2	Internet access (Wi-Fi)			

9. Form of assessment (based on the results of the practice)

During the working day, the control of students' work is carried out by the responsible teacher at SATC. The head of the department monitors the compliance of the student's work assignment with the goals and objectives of industrial practice and the quality of mastering skills and abilities. Current control is carried out daily by observing the implementation of practical skills. The student keeps a diary of the work performed, signed by the responsible teacher.

The practice diary and the practice report are the main documents of the student, reflecting the work performed by him during the internship, the skills and competencies he acquired. The student prepares a report on the practice independently, evenly throughout the entire period of practice, finishes it and presents it for verification to the head of the practice from the department for credit on the final day of the industrial practice.

The report and diary on the industrial practice of the diagnostic profile is the main evidence of the content and quality of the student's work at SATC. The completed report with attachments is presented to the student personally to the head of industrial practice from the department. After checking the content of the report, the head from the department puts his signature, date and grade (passed / not passed).

Assessment (credit) based on the results of the practice is carried out on the last day according to the interview data, diary entries and a report on the practice.

Students who are late for practice or who did not show up for it on certain days must, after the end of the practice, work out all the missed hours in their free time under the supervision of the head of the department, independently submit reporting documents to the head of the practice from the department.

Summative assessment for the practice is credit

The results are assessed in a two-grading scale:

- passed
- failed

METHODOLOGICAL GUIDELINES FOR PRACTICE OUTCOMES ASSESSMENT

Stage I: Formative assessment.

List of questions:

Sample test points

1. Types of anesthetic aid.
2. Local anesthetic techniques.
3. General anesthesia techniques.
4. Combined anesthesia
5. Intensive care for acute respiratory failure
6. Resuscitation and intensive care for ARF due to massive pneumonia
7. Acute Respiratory Distress Syndrome
8. Intensive care for acute cardiovascular failure
9. Resuscitation and intensive care of acute heart failure
10. Invasive and non-invasive hemodynamic monitoring
11. Resuscitation and intensive therapy of shock conditions
12. Traumatic shock - pathophysiology, diagnostics, principles of intensive care
13. Septic shock, pathophysiology, principles of diagnosis and intensive care
14. Resuscitation and intensive therapy of acute disturbances of consciousness
15. General questions of the clinic, diagnosis, intensive care of acute disorders of consciousness.
16. Intensive therapy of acute disturbances of consciousness in traumatic brain injury.
17. Intensive therapy of acute disturbances of consciousness in disorders of cerebral circulation.
18. Methods for resuscitation of terminal conditions
19. Resuscitation protocols at the prehospital and hospital stages
20. Intensive therapy for post-resuscitation disease

21. Pathophysiology of acid-base disorders and water-electrolyte metabolism
22. Types of acute disorders of the acid-base state.
23. Methods for the treatment of acute acid-base disorders
24. Types of acute disorders of water and electrolyte balance
25. Methods for the treatment of acute disorders of water and electrolyte balance
26. Characteristics of infusion media: crystalloid, colloidal based on dextran, hydroxyethyl starch, modified gelatin
27. Vascular access: peripheral and central venous catheterization.
28. Resuscitation and intensive with exo- and endotoxemia.

\Assessment criteria:

The results are assessed in a four-grading scale: “excellent”, “good”, “satisfactory”, “unsatisfactory”.

Type of the task	Assessed competences	Assessment criteria	Grade
Test	UC-3.1, UC-3.2, UC-3.3, UC-4.1, UC-5.3, GPC-1.1, GPC-1.2, GPC-1.3, GPC-4.1, GPC-4.3, GPC-5.8, GPC-5.10, GPC-6.3, GPC-7.1, GPC-7.2, GPC-7.3, PC-2.2, PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1	90 – 100%	Excellent
		80 – 89%	Good
		50 – 79%	Satisfactory
		Less Than 50%	Unsatisfactory

Type of the task	Assessed competences	Assessment criteria	Grade
Oral quiz	UC-3.1, UC-3.2, UC-3.3, UC-4.1, UC-5.3, GPC-1.1, GPC-1.2, GPC-1.3, GPC-4.1, GPC-4.3, GPC-5.8, GPC-5.10, GPC-6.3, GPC-7.1, GPC-7.2, GPC-7.3, PC-2.2, PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1	The student demonstrates comprehensive, systematic and profound knowledge of the subject, can independently perform the tasks provided by the program; who has a good knowledge of the main literature and familiar with the additional literature recommended by the program; demonstrates creative abilities in understanding, statement and use of material of the studied discipline, faultlessly answers not only questions of the card, but also additional questions within the main program, correctly performs a practical task.	Excellent
		The student has good knowledge of material of the studied discipline; can successfully perform the tasks provided by the program; has a good knowledge of the main literature recommended by the program; answers all questions of the card, correctly performs a practical task, but makes some mistakes.	Good
		The student demonstrates knowledge of material for further study; can cope with the tasks provided by the program; familiar with the main recommended literature; makes mistakes when performing examination tasks, but has necessary knowledge for their elimination under the supervision of the teacher.	Satisfactory
		The student demonstrates poor knowledge of the material, makes significant mistakes in	Unsatisfactory

	GPC-1.2, GPC-1.3, GPC-4.1, GPC-4.3, GPC-5.8, GPC- 5.10, GPC-6.3, GPC-7.1, GPC-7.2, GPC-7.3, PC-2.2, PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1	performance of the tasks provided by the program.	
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Sample Practice diary for assessment

Date (daily)	Completed work
9.00-9.20	Instructions on working with mannequins, simulators.
9.20-11.00	Theoretical training according to the clinical case: 1. Simulated patient I., 42 years old. Diagnosis: Study:.. Conclusion:.. Diary entry
11.00-12.00	Business game based on a clinical scenario with the distribution of roles in the emergency care team Diary entry
11.00-13.30	Work in an office with a simulated patient according to a clinical scenario Diagnosis: Study:.. Conclusion:.. Diary entry
13.30-14.00	Debriefing of the developed clinical scenario on the topic: "....".

The diary should describe the clinical scenarios of 7 patients. It should contain the medical advice on the use of other necessary urgent diagnostic and therapeutic techniques. Learning outcomes and conclusions are formulated.

Khanty-Mansiysk Autonomous Okrug-Ugra

"Surgut State University"

REPORT OF THE PRACTICE

« Professional Practice, Urgent Medical Manipulations Using Simulation Technologies»

(FULL NAME) _____

Student _____ group, specialty _____

Place _____

Terms of practice _____ Number of hours: 252 / Total (in credits) 7

Safety instruction « ____ » _____ 20__

Head of the practice from the department (full name, position):

Head of the practice from a medical organization (full name, position):

Final assessment of the practice: _____

Head of the practice _____

Name of practical skills	Recommended level	Level reached	Actual performance (multiplicity)
Collection and interpretation of complaints and anamnesis of patients	2		
Physical and systemic examination of the patient with the definition of symptoms of pathology (objective status)	2-3		
ECG recording, interpretation and evaluation	2-3		
Interpretation of instrumental research methods - ECG, radiographs, ultrasound studies, CT and MRI data, etc.	3		
Drawing up a plan for examining a patient in the main emergency conditions	3		
Drainage of the pleural cavity	2-3		
Conicotomy	2-3		
Subclavian vein catheterization	2		
Internal jugular vein catheterization	2		
Laparocentesis	2-3		
Lumbar puncture	2-3		
Pericardiocentesis	3		
Pleural puncture	2-3		
Radial artery catheterization	2-3		

Midterm assessment (credit) is assessed in a two-grading scale

1. «Passed»;
2. «Failed»

Type of the task	Assessed competences	Assessment criteria	Grade
Practice diary. Report on the practice done. Oral quiz.	UC-3.1, UC-3.2, UC-3.3, UC-4.1, UC-5.3, GPC-1.1, GPC-1.2, GPC-1.3, GPC-4.1, GPC-4.3, GPC-5.8, GPC-5.10, GPC-6.3, GPC-7.1, GPC-7.2, GPC-7.3, PC-2.2, PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1, PC-11,1 PC-11.2	The student answers all the questions correctly, clearly, logically and completely. The student closely applies theory and practice and correctly solves the problems of higher complexity with the professional content.	Passed
	UC-3.1, UC-3.2, UC-3.3, UC-4.1, UC-5.3, GPC-1.1, GPC-1.2, GPC-1.3, GPC-4.1, GPC-4.3, GPC-5.8, GPC-5.10, GPC-6.3, GPC-7.1, GPC-7.2, GPC-7.3, PC-2.2, PC-2.3, PC-5.2, PC-5.3, PC-9.1, PC-10.1, PC-11,1 PC-11.2	The student is not able to give logical answer, gives no answer to additional questions and does not understand the topic. He/she makes significant and serious mistakes in answers.	Failed

Students who are late for practice or do not show up for it on certain days, after the end of the practice, must work out all the missed hours in their free time under the supervision of the responsible lecturer of the Department and SATC, independently submit a diary and characteristics, a table of skills and self-analysis to the head of practices from the Department and decide whether to pass the final certification.

After conducting a test for local non-resident students, the heads of practices from the Department fill out statements and a report on the practice. The original statements are submitted to the educational and methodological part of the medical Institute, and copies are attached to the report and sent to the practice Department.

SPECIAL CONDITIONS OF THE EDUCATIONAL PRACTICE, PRIMARY PROFESSIONAL AND RESEARCH SKILLS PRACTICE FOR INDIVIDUALS WITH DISABILITIES

For persons with disabilities, the procedure for passing the internship takes into account the state of health and the requirements of regulatory documents.

- STO-2.6.16-17 "Organization of the educational process for people with disabilities and people with disabilities."

The heads of the departments ensure the choice of places for passing industrial practice for the disabled and people with disabilities, taking into account the requirements of accessibility for these students. When determining the places of educational and industrial practice, it is necessary to take into account the recommendations, data based on the results of medical and social expertise, contained in the individual rehabilitation program for a disabled person, regarding the recommended conditions and types of work. When sending a disabled person and a student with disabilities to a specialized organization for the internship provided by the curriculum, the University agrees with the organization enterprise) conditions and types of work, taking into account the recommendations of medical and social expertise and an individual rehabilitation program for a disabled person. If necessary, special jobs can be created for the internship in accordance with the nature of the violations, as well as taking into account the professional type of activity and the nature of the work performed by the disabled student of labor functions. For people with disabilities and people with disabilities, the form and methods of practice are established taking into account the characteristics of their psychophysical development, individual capabilities and health status.

The University creates special conditions for people with disabilities and people with disabilities to receive the opportunity to master the educational program of higher education in full, while creating special conditions. Special conditions are understood as training conditions for disabled people and people with disabilities, including:

- the use of individual curricula of educational programs, methods of teaching and upbringing,

- special textbooks, teaching aids and didactic materials, special technical training aids for collective and individual use,
- provision of the services of an assistant (assistant) who provides students with the necessary technical assistance, group and individual correction classes,
- providing the opportunity to undergo an internship in the building of the University and organizations that have access for disabled people and persons with disabilities to the trainee's workplace and other conditions, without which it is impossible or difficult for people with disabilities and persons with disabilities to undergo an internship.

When determining places of practice for people with disabilities and people with disabilities, the recommendations of the medical and social expertise, reflected in the individual rehabilitation program for a disabled person, regarding the recommended conditions and types of work, should be taken into account.