

**Sample practice diary
"Clinical practice in surgery"
for students in the educational program
specialty
in specialty/direction of training 05.31/01 General Medicine,
focus (profile) General Medicine,
Full-time form of education
for the 2023-2024 academic year**

federal state budgetary educational institution
higher education
"Volgograd State Medical University"
Ministry of Health of the Russian Federation

Department of Hospital Surgery

Specialty in specialty 05/31/01 General Medicine,
focus (profile) General medicine

**PRACTICE DIARY
"Clinical practice in surgery"**

4th year student

(surname)

(Name)

(surname)

Head of practice from the organization (university) _____/full name/
(signature)

Head of practice from a specialized organization
(base of practice) _____/full name/
(signature)

Volgograd, 202__

Rules for preparing a practice diary

A mandatory reporting document on a student's internship is a practice diary.

The practice diary should include protocols of various types of work (literary/clinical/other types of work) performed by the student during the practice.

Protocols are drawn up for each day of work in practice. The protocol must contain information about the date and work performed for the day.

The practice diary must be signed:

a) after each protocol - by the supervisor of the student's practice.

b) on the title page - by the head of practice from the organization (university) and the head of practice from the specialized organization (base of practice).

A sample of daily protocols in the practice diary - see Appendix 1.

Introductory information for students

The objectives of the practice are:

- consolidate students' knowledge of the basic principles of organizing the provision of medical care in a hospital setting;
- to acquaint students with the peculiarities of the organization and scope of work of a doctor in a surgical hospital, with the modern diagnostic capabilities of clinical diagnostic services of a surgical hospital, and train them in rational use;
- master the methodology of clinical examination of a surgical patient in the process of independent medical practice, drawing up a plan for the examination and treatment of patients at the hospital stage;
- master and consolidate skills in providing ambulance and emergency care for surgical pathology, in performing basic general medical procedures in a surgical hospital;
- teach students to independently prepare medical documentation for a doctor in a surgical hospital.

During practice, the student must *gain skills (experience)* :

- communication with the patient and/or his relatives, observing deontological norms and principles;
- objective examination of the patient to identify the main symptoms and syndromes of diseases;
- own an algorithm for identifying the leading syndrome, drawing up a diagnostic series of excluded conditions;
- interpretation of the obtained data from laboratory and instrumental research methods;
- master the treatment algorithm for the main pathological syndromes, determine the methods of administration and dosage of medications;
- master the algorithm for performing basic medical diagnostic and therapeutic measures to provide medical care in emergency conditions;
- the use of medical devices provided for in the procedures for the provision of inpatient medical care;
- maintaining medical records and reporting documentation in the hospital.

Upon completion of the passage practice *student must know*:

- organization of medical care to the population in a surgical hospital;
- basic ethical and deontological principles of professional activity;
- anatomical, physiological, age and gender characteristics of a healthy and sick person;
- the causes of the occurrence of basic pathological processes in the body and the mechanisms of their development;
- clinical manifestations of the most common surgical diseases occurring in various forms;

- basic laboratory, instrumental, morphological and other research methods to establish the presence or absence of the disease;
- criteria for main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems (ICD);
- methods of emergency measures and indications for hospitalization of patients;
- pharmacological characteristics of the main groups of drugs and principles of rational choice of a specific drug in the treatment of diseases and emergency conditions in patients;
- basic principles for the use of medical devices provided for in the procedures for providing inpatient medical care;
- standard accounting and reporting medical documentation in a surgical hospital.

the student must be able to:

- implement ethical and deontological principles in a hospital setting;
- interview the patient (and/or relatives) and obtain complete information about the diseases;
- conduct a physical examination of the patient (examination, palpation, percussion, auscultation, etc.) and identify objective signs of surgical diseases;
- draw up a plan for additional laboratory and instrumental examination of the patient;
- independently diagnose the main clinical pathological syndromes and justify this diagnosis;
- be able to present the results of an examination of the patient, justifying the preliminary diagnosis and drawing up a plan for further examination and treatment of the patient;
- formulate indications for the chosen method of treatment, taking into account etiologic and pathogenetic agents, justify pharmacotherapy for a particular patient;
- provide medical assistance in emergency and threatening conditions;
- implement the principles of using medical products provided for in the procedures for providing inpatient medical care;
- maintain medical records in the hospital.
- comply with occupational health and safety regulations.

CALENDAR AND THEMATIC PLAN OF PRACTICE

No.	date	Thematic blocks ¹	Hours (acad.)
1.		Introductory lesson. Acquaintance with the purpose and objectives of industrial practice. ² Safety precautions during practice. Introduction to the organization of the surgical department. Functional responsibilities of a surgeon. Indications for emergency and planned hospitalization of surgical patients. Structure of the operating room, rules of conduct in the operating room. Documentation of the doctor of the surgical department . Prevention of occupational infection with HIV infection and viral hepatitis. Composition of the emergency first aid kit "Anti-AIDS".	3
		Formation of individual tasks. ³	6
2.		Abdominal surgery. ² Mastery of examination techniques (questioning, examination, palpation, percussion and auscultation) of patients with surgical diseases of the stomach and small intestine, liver and biliary tract, pancreas, diseases of the colon and rectum, with abdominal hernias. Developing skills in interpreting data from instrumental methods for examining the abdominal organs (radiography, computed tomography, ultrasonography , endoscopy, laparoscopy). Preparation of	3

		documentation for patients with diseases of the abdominal organs. ² Part 1.	
		Completing individual tasks. ³ Part 1.	6
3.		Abdominal surgery. ² Mastery of examination techniques (questioning, examination, palpation, percussion and auscultation) of patients with surgical diseases of the stomach and small intestine, liver and biliary tract, pancreas, diseases of the colon and rectum, with abdominal hernias. Developing skills in interpreting data from instrumental methods for examining the abdominal organs (radiography, computed tomography, ultrasonography, endoscopy, laparoscopy). Preparation of documentation for patients with diseases of the abdominal organs. ² Part 2.	3
		Completing individual tasks. ³ Part 2.	6
4.		Abdominal surgery. ² Mastery of examination techniques (questioning, examination, palpation, percussion and auscultation) of patients with surgical diseases of the stomach and small intestine, liver and biliary tract, pancreas, diseases of the colon and rectum, with abdominal hernias. Developing skills in interpreting data from instrumental methods for examining the abdominal organs (radiography, computed tomography, ultrasonography, endoscopy, laparoscopy). Preparation of documentation for patients with diseases of the abdominal organs. ² Part 3.	3
		Completing individual tasks. ³ Part 3.	6
5.		Thoracic surgery. ² Mastering the technique of examining and questioning patients with pathology of the chest organs. Practicing skills in palpation of the chest, percussion of the lungs (comparative and topographic), auscultation of the lungs. Development of skills in interpreting data from instrumental methods of examining the respiratory organs (radiography, computed tomography, bronchoscopy, thoracoscopy). Interpretation of sputum, blood, and pleural effusion tests. Preparation of documentation for patients with diseases of the chest organs. ² Part 1.	3
		Completing individual tasks. ³ Part 1.	6
6.		Thoracic surgery. ² Mastering the technique of examining and questioning patients with pathology of the chest organs. Practicing skills in palpation of the chest, percussion of the lungs (comparative and topographic), auscultation of the lungs. Development of skills in interpreting data from instrumental methods of examining the respiratory organs (radiography, computed tomography, bronchoscopy, thoracoscopy). Interpretation of sputum, blood, and pleural effusion tests. Preparation of documentation for patients with diseases of the chest organs. ² Part 2.	3
		Completing individual tasks. ³ Part 2.	6
7.		Cardiovascular surgery. ² Mastery of methods of questioning, examination, palpation, auscultation of patients with peripheral vascular diseases. Development of skills in performing functional tests in patients with peripheral vascular diseases. Development	3

		of skills in interpreting data from laboratory and instrumental methods (ultrasound Dopplerography, angiography, CT angiography) for studying peripheral vessels. Preparation of documentation for patients with peripheral vascular diseases. ² Part 1.	
		Completing individual tasks. ³ Part 1.	6
8.		Cardiovascular surgery. ² Mastery of methods of questioning, examination, palpation, auscultation of patients with peripheral vascular diseases. Development of skills in performing functional tests in patients with peripheral vascular diseases. Development of skills in interpreting data from laboratory and instrumental methods (ultrasound Dopplerography, angiography, CT angiography) for studying peripheral vessels. Preparation of documentation for patients with peripheral vascular diseases. ² Part 2.	3
		Completing individual tasks. ³ Part 2.	6
9.		Surgery of the thyroid and mammary glands. ² Development of methods of questioning, examination, palpation of patients with diseases of the thyroid and mammary glands. Developing skills in interpreting data from laboratory and instrumental methods (ultrasound, scintigraphy, fine-needle biopsy, mammography) for studying the thyroid and mammary glands. Preparation of documentation for patients with diseases of the thyroid and mammary glands. ²	3
		Completing individual tasks. ³	6
10.		Surgical infection. ² Mastery of methods of clinical examination of patients with purulent infection of soft tissues. Development of skills in interpreting data from laboratory and instrumental methods of studying patients with purulent infection of soft tissues. Preparation of documentation for patients with surgical infections of soft tissues. ² Part 1.	3
		Completing individual tasks. ³ Part 1.	6
eleven.		Surgical infection. ² Mastery of methods of clinical examination of patients with purulent infection of soft tissues. Development of skills in interpreting data from laboratory and instrumental methods of studying patients with purulent infection of soft tissues. Preparation of documentation for patients with surgical infections of soft tissues. ² Part 2.	3
		Completing individual tasks. ³ Part 2.	6
12.		Urgent and emergency care in surgery. ² Development of skills in providing urgent and emergency medical care to patients with the most common surgical diseases of the abdominal and chest organs, peripheral vascular diseases, and mechanical diseases. thermal, chemical and electrical trauma, surgical infection, cardiopulmonary resuscitation. Part 1.	3
		Completing individual tasks. ³ Part 1.	6
13.		Urgent and emergency care in surgery. ² Development of skills in providing urgent and emergency medical care to patients with the most common surgical diseases of the abdominal and chest organs, peripheral vascular diseases, and mechanical diseases.	3

		thermal, chemical and electrical trauma , surgical infection, cardiopulmonary resuscitation. Part 2.	
		Completing individual tasks. ³ Part 2.	6
14.		General medical manipulations in the practice of a surgeon. ² Development of skills in performing general medical manipulations and procedures performed in a surgical hospital. Novocaine blockades, pleural puncture, thoracentesis , laparocentesis, diagnostic peritoneal lavage , novocaine blockades, blood group determination, blood transfusion, surgical debridement, postoperative wound care, desmurgy, gastric intubation, bladder catheterization, assisting in surgical operations, etc. (if desired, during practice the student can master practical manipulations not provided for in the work program). Part 1.	3
		Completing individual tasks. ³ Part 1.	6
15.		General medical manipulations in the practice of a surgeon. ² Development of skills in performing general medical manipulations and procedures performed in a surgical hospital. Novocaine blockades, pleural puncture, thoracentesis , laparocentesis, diagnostic peritoneal lavage , novocaine blockades, blood group determination, blood transfusion, surgical debridement, postoperative wound care, desmurgy, gastric intubation, bladder catheterization, assisting in surgical operations, etc. (if desired, during practice the student can master practical manipulations not provided for in the work program). Part 2.	3
		Completing individual tasks. ³ Part 2.	6
16.		Final lesson. ² Submission of reporting documentation on practice. Interim certification.	3
		Placing reporting documentation on practice in the electronic information and educational environment of Volgograd State Medical University. ³	6
		Total	144

¹ – thematic blocks include several classes conducted in the form of practical training, the duration of one lesson is 45 minutes with a break between classes of at least 5 minutes

² – topic

³ – essential content

List of developed competencies and assessment of their mastery

No	Cipher	Competency text	Mastery level	Teacher's signature
1	GPC-4	Able to use medical devices provided for in the procedure for providing medical care, as well as conduct examinations of the patient in order to establish a diagnosis.		
2	GPC -5	Able to assess morphofunctional, physiological states and pathological processes in the human body to solve professional problems.		
3	GPC -7	Able to prescribe treatment and monitor its effectiveness and safety.		

4	PC-1	Able to recognize and provide medical assistance in emergency or emergency forms in conditions that pose a threat to the patient's life, including states of clinical death (stopping the vital functions of the human body (blood circulation and/or breathing)).		
5	PC-2	Able to conduct an examination of a patient if there are medical indications 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		
6	PC-3	Able to prescribe drug and non-drug treatment, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care		

To characterize the level of development, the following designations are used:

- 1 – "*Familiarization*" (recognition of previously studied objects, properties).
- 2 – "*Reproductive*" (performing activities according to a model, instructions or under guidance).
- 3 – "*Productive*" (planning and independent execution of activities, solving problematic problems).

Local status

Diagnosis:

His rationale:

What laboratory tests need to be performed and why?

What instrumental examination needs to be carried out and why?

Necessary drug therapy (justify the prescription of drugs in accordance with the pathology of the supervised patient).

Surgical treatment (justify the feasibility and indicate the main types of possible surgical interventions in accordance with the pathology of the supervised patient).

Signature _____

Considered at the meeting of the Department of Hospital Surgery on May 18, 2023, protocol No. 10

Head of the department



S.S.Maskin