

MINISTRY OF PUBLIC HEALTH OF REPUBLIC OF BELARUS

EDUCATION INSTITUTION
GOMEL STATE MEDICAL UNIVERSITY

DEPARTMENT OF _____

D I A R Y

of passing CLINICAL MEDICAL PRACTICE
FOR 5th YEAR STUDENTS
(SECTION OF SURGERY)

student of 5th year of the medical faculty _____ group

Surname _____

Name _____

Place of practice _____

Time of practical training
from « _____ » _____ 20 ____ year

to « _____ » _____ 20 ____ year

Reporting documents submitted _____ marked _____

(date)

Teacher _____

(signature) (full name)

Gomel

20 ____

Duties of the student during practice

Obtain the practice referral from the Practice Department of the University, an individual assignment from the department, acquaint yourself with the practical training program and obtain a diary.

Arrive in due time at the practice site, pass instructing on the protection of labor, be acquainted with the internal rules of the health care institution, should have a paper on medical examinations.

Obtain and study the program of practice and individual task.

Comply with the rules of the internal labor regulations of the health care institution.

Learn and strictly follow the rules of labor protection and safety.

Be responsible for the work and its results equally with staff members.

Qualitatively and fully perform tasks according to the program of practice.

Every day keep a diary to record all performed work.

Actively participate in the public life of the organization.

Demonstrate careful attention to the patients and staff of health care institution, observe the principles of professional ethics and deontology.

Present report on implementation of all tasks of practice, health education conversation text and ERW (educational research work) to the practice supervisor in due time.

Pass differentiated credit-test on practice in due time.

The order of passing production practice

1. Provide the practice referral to the Human Resources Department.
2. Be trained on labor protection.
3. Be acquainted with organization of work and the structure of the hospital health care organization - practice base, and to give the characteristic of the department.
4. Be acquainted with the program of practice, guidelines for the passage of practice training, the list of practical skills, requirements to implement educational research work of students (ERWS) and health education.
5. Keep the practice diary and sign it daily with the senior nurse.
6. At the end of the practice the student fills out a report on the implementation of the practice program, summarizes the mastery of practical skills, indicates the information about the health care facility, department. Summary report must correspond to that number of manipulations, which is reflected in the diary on each day of the practice. The report should provide a list of practical skills mastered and their level of the mastery (1, 2 or 3).
7. The report is signed by the student, the direct supervisor of the practice from the organization (senior nurse, head nurse), approved by the head of the organization and certified by the seal of the health care organization.
8. Upon completion of the practice, the direct supervisor of the organization prepares a written review on the practical training of the student, where notes: a) completeness of practice program fulfillment and evaluation of quality of the per-

formed work; b) observance of the labor discipline, labor protection requirements, sanitary and epidemiological regime; c) characteristic of personal qualities (communication, moral, volitional).

Precondition for admittance for the differentiated credit test

1. The student who has completed the practice program and received a positive feedback from the Head of practice of the medical institution is admitted to the differential examination.
2. The student submits the signed diary of practice to the Head of practice from the Department, approved summary report and signed review, materials of the sanitary-educational work (text of the conversation, sanitary bulletin or memo, etc.) and ERWS (abstract, presentation, etc.).
3. Students who do not submit the report documents will not be allowed to take the differential credit.

Requirements for formatting the diary

1. The diary must be filled out daily, indicating the section, date and time of work (**time to indicate from 8.00-14.00**).
2. Every day in the column "Content of the performed work ", the student displays all work performed in accordance with the practice program, its quantity and mastering level. The student specifies regulatory and medical documentations with which the student works, the name and dosage of applied medicines and disinfectants, the procedures, preparation for examination of patients and other.
3. At the end of the each working day, the diary is signed by the direct head of the practice from the organization (or the head nurse of the department) and periodically checked by the head of the practice from the university department.
4. Upon completion of practice, the student fills the report on completion of the practice program, summarizes the mastering practical skills, indicates information about health care institution and department.
5. Summary report must correspond to the number of manipulations, which is reflected in the diary for each day of the work. The report must provide a list of mastered practical skills with their mastering level (1, 2 or 3).
6. The report is signed by the student, the direct supervisor of the practice from the organization (senior nurse, head nurse), approved by the head of the organization and certified by the seal of the health care organization.
7. Health education and are recorded in the diary.
8. At the end of the practice, the direct supervisor of the organization draws up a written review on the passage of the practice by the student, which notes:
 - a) the completeness of the program practice and assessment the quality of the performed work;
 - b) compliance with labor discipline, labor protection requirements, sanitary-epidemic regime;
 - c) the characteristics of personal qualities (communication, moral, volitional).

Educational and research work of students (ERWS)

During the course of production practice, each student performs educational-research work (ERWS), which is issued in the form of abstract devoted to the work in hospital specialized department.

Students receive the task for the ERWS at the beginning of the practice from the supervisor of practice.

Students present materials of ERWS to the department of surgical diseases No. 1 with the course of cardiovascular of the medical university at the end of practice.

List of topics for educational and research work of students (ERWS)

1. Acute appendicitis in children, pregnant women, and the elderly.
2. Postoperative complications of acute appendicitis.
3. Abdominal wall hernias.
4. Surgical treatment of postoperative ventral hernias.
5. Complications of cholelithiasis. Therapeutic tactics.
6. Postcholecystectomy syndrome.
7. Obstructive jaundice.
8. Biliary fistulas.
9. Reconstructive operations on the biliary tract.
10. Complications of acute pancreatitis.
11. Surgical treatment of chronic pancreatitis.
12. Pancreatic fistulas.
13. Hormone-active tumors of the pancreas.
14. Duodenal ulcerative stenosis.
15. Indications and types of operations for peptic ulcer disease.
16. Gastrointestinal bleeding of non-ulcer etiology.
17. Stomach cancer.
18. Diseases of the operated stomach.
19. Obstructive intestinal obstruction.
20. Adhesive disease of the abdominal cavity
21. Strangulation intestinal obstruction.
22. Mesenteric circulation disorders.
23. Polyps and polyposis of the colon.
24. Differential diagnosis of ulcerative and granulomatous colitis.
25. Colon cancer.
26. Diseases of the rectum and perianal area.
27. Intestinal fistulas.
28. Abdominal injury. Damage to hollow and parenchymal organs.
29. Modern principles of postoperative treatment of peritonitis.
30. Diseases of the thyroid gland.
31. Surgical treatment of varicose veins.
32. Thrombophlebitis of deep and superficial veins.
33. Sepsis.

34. Burns and cicatricial strictures of the esophagus.
35. Surgical treatment of portal hypertension.
36. Hiatal hernia.
37. Burns, frostbite.
38. Parasitic liver cysts.
39. Obliterating diseases of the arteries of the extremities.

Health educational (sanitary-educational) work

During the course of production practice, the student must conduct at least 1 conversation on health educational topics among patients lasting about 5-10 minutes or submit sanitary bulletins/ memos. The topic of health educational work is coordinated with the supervisor of the practice during the first week of practice, and should be devoted to methods of prevention, treatment, and rehabilitation of patients in the hospital specialized department. The text of the conversation should be submitted for review to the head of the practice from the organization during the first week of practice and to the differentiated credit (in autumn). In preparation, students must use at least 2-3 literary sources.

Health education work

Date	Title of lectures, conversations	Number of present persons	Title of lectures, conversations

APPROVED

Head Physician _____
(signature)

(Full Name)
« ____ » _____ 20__ г.

Report on the execution of the practice program

№	Practical skills	Recommended		performed	
		number	level of mastering	number	mastering level
1	Daily patient supervision	4 – 6	3		
2	Registration and maintenance of medical history	12	3		
3	Reception duties	1	3		
4	Subcutaneous and intramuscular injections	10	3		
5	Intravenous infusion	3	3		
6	Blood group determination	10	3		
7	Individual compatibility test	2	2		
8	Biological compatibility test	2	2		
9	Temporary stop of bleeding	1	2,3		
10	Dressing clean wounds	10	3		
11	Dressing a purulent wound	10	3		
12	Removing stitches	5	3		
13	Removing drains	3	3		
14	Performing local anesthesia	1	3		
15	Bladder catheterization	2	3		
16	Gastric tube placement	2	3		
17	Digital examination of the rectum	2	3		
18	Installation of the gas outlet tube	1	2		
19	Cleansing enema	1	3		
20	Siphon enema	1	3		
21	Transport immobilization	1	3		
22	Operational assistance	3	3		
23	Presence at operations	10	3		
24	Primary surgical treatment of wounds	2	3		
25	Final stop of bleeding	1	2		
26	Transfusion of blood products	2	2		
27	Venesection	1	1		
28	Thoracentesis	1	2		
29	Laparocentesis	1	2		
30	Bladder puncture	1	2		
31	Laparoscopy	2	2		

32	Sigmoidoscopy	1	1		
33	Placement of the Blackmore probe	1	2		
34	Novocaine blockades	1	2		
35	Artificial respiration	1	3		
36	Closed heart massage	1	3		
37	Participation in X-ray examination	2	2		
38	Participation in endoscopic examination	2	2		
39	Attendance at the autopsy	2	3		

Student's signature _____

Direct supervisor of the practice
from the Health Organization

(signature)

Surname, Name, Patronymic

« _____ » _____ 20__ yr.

Questions for differentiated credit test

1. Methods of palpation, percussion, auscultation of the abdominal cavity.
2. Method for determining free fluid in the abdominal cavity.
3. Method for determining free gas in the abdominal cavity.
4. Methodology for determining the main symptoms of acute appendicitis.
5. Methodology for determining the main symptoms of acute cholecystitis.
6. Methodology for determining the main symptoms of acute pancreatitis.
7. Methodology for determining the main symptoms of acute intestinal obstruction.
8. Method for determining the main peritoneal symptoms.
9. Diagnostic significance of Courvoisier's symptom.
10. Differential diagnosis of irreducible and strangulated hernia.
11. Method for determining pulsation of peripheral arteries of the lower extremities.
12. Method for determining effusion in the pericardial cavity.
13. Method for determining effusion in the pleural cavity.
14. Technique for determining blood group and Rh factor.
15. Rules for transfusion of blood products and blood substitutes.
16. Methods for temporarily stopping bleeding.
17. Methods for definitively stopping bleeding.
18. Methods for determining the degree of blood loss, the diagnostic significance of Moore's formula.
19. Technique for placing a Blackmore obturator probe.
20. Technique of anterior and posterior nasal tamponade.
21. Principles of primary surgical treatment of wounds.
22. Dressing a clean and infected wound.
23. Principles of applying plaster casts.
24. Rules for elastic bandaging of the lower extremities.
25. Technique for applying skin, intestinal, vascular, tendon, and nerve sutures.
26. Rules for processing the surgical field.
27. Rules for surgical and hygienic treatment of hands (European standard, EN-1500).
28. Preparing the patient for irrigoscopy and colonoscopy.
29. Placement of a gastric tube, gastric lavage technique.
30. Technique for digital examination of the rectum.
31. Technique for performing a siphon enema.
32. Technique for performing a cleansing enema.
33. Technique for installing a gas outlet tube.
34. Technique for local infiltration anesthesia, anesthesia according to Oberst-Lukashevich.
35. Methodology for performing novocaine blockades.
36. Venipuncture technique.
37. Venesection technique.
38. Method of joint puncture.
39. Method of pericardial puncture.
40. Method of thoracentesis, method of drainage of the pleural cavity.

41. Technique of laparocentesis.
42. Laparoscopy technique.
43. Bladder catheterization technique. Types of urinary catheters. Care of urinary catheters.
44. Bladder puncture technique.
45. Rules for opening abscesses and phlegmons.
46. Transport immobilization for injuries to the limbs, spine and pelvis.
47. Providing first aid for burns.
48. Providing first aid for chemical burns of the esophagus and stomach.
49. Method of chest compressions and artificial ventilation.
50. Indications and technique for conicotomy and tracheotomy.

Information for students of Overseas Students training Faculty

Overseas students are allowed to pass a production practice «Medical Clinical» in the country of which they are citizens, if the following conditions have been fulfilled:

- in case of availability in the country of which the foreign student is a citizen of a specialized organization that provides practical training of the student, in the volume provided for by the relevant practice program, in accordance with the educational standards of higher education of the Republic of Belarus in the specialties "Medical business";
- if there is a prior consent of the management of the health organization for traineeship of student without financial claims to the Education Institution «Gomel state medical university» (for citizens of the Russian Federation);
 - provided that the organization's management issues a certificate that the student has completed the a production practice «Medical Clinical» outside of the CIS (The Commonwealth of Independent States (CIS) countries in English.

The student must provide on credit:

- **review of the practice** issued on the official letterhead of the organization and confirming the passage of production practice. The certificate must be certified by signature and corporate seal (but not personal seal immediate supervisor). The certificate should indicate the time and duration of the practice, the number of hours worked for each section of the practice, and give a brief characteristic of the student;
- **diary of the practice** (outside the CIS countries, the diary is kept only in English), filled in according to the established sample;
- **summary report** on the results of the practice, which indicates the list of skills learned and the number of manipulations performed. The report must be signed by the head of the institution and stamped by the institution;
- **report or educational-research work** , a report on a conversation on sanitary and educational topics in accordance with the guidelines.

If the student is not able to fulfill the above conditions, the practice can only be held in healthcare institutions in Gomel.