

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Educational Institution
BELARUSIAN STATE MEDICAL UNIVERSITY

APPROVED

by Rector of the Educational Institution
«Belarusian State Medical University»

S.P. Rubnikovich



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Контрольный
экземпляр

PROGRAM
OF WORK EXPERIENCE PRACTICAL TRAINING
IN CLINICAL INPATIENT PRACTICE

for the specialty
1-79 01 01 «General Medicine»

The program is based on the educational standard of higher education in the specialty 1-79 01 01 «General medicine», approved and enforced by the Resolution of the Ministry of Education of the Republic of Belarus from 26.01.2022 № 14; and on the curriculum of the higher educational institution in the specialty 1-79 01 01 «General medicine», approved 18.05.2022, registration No. L 79-1-1/2223/mf

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RECOMMENDED FOR APPROVAL:

1st department of internal diseases of educational establishment «Belarusian state medical university» (protocol # 10 on 07.04.2023);

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Department of cardiology and internal diseases of educational establishment «Belarusian state medical university» (protocol # 11 dated on 10.05.2023);

By the Department of Obstetrics and Gynecology of the educational institution «Belarusian State Medical University» (protocol # 11 of 07.04.2023);

By the Department of Surgical Diseases of the Educational Institution «Belarusian State Medical University» (protocol #. 10 of March 31, 2023);

By the Department of Surgical Diseases and Transplantology of the Educational Institutions «Belarusian State Medical University» (protocol #14 of May 31, 2023);

By the Department of Public Health and Healthcare of the Educational Institution «Belarusian State Medical University» (protocol #8 of May 22.03.2023);

By the Council of the Medical Faculty for International Students of the educational institution «Belarusian State Medical University»
(protocol # 8 of 30.05.2023)

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EXPLANATORY NOTE

Educational clinical practice is aimed at consolidation and deepening of the knowledge acquired previously during studies of theoretic material, at mastering practical skills and acquiring professional competencies required in subsequent independent professional activity in the specialty «General medicine».

Educational clinical practice is designed to assist students in acquiring professional skills, competencies, and experience; in developing professional clinical reasoning; and in evaluating whether the aspiring specialist is able to perform professional functions independently.

The objectives of educational practice are:

acquisition and consolidation of practical skills required for medical care in out-patient and in-patient settings;

increasing and systematizing knowledge acquired while studying such disciplines as «Internal diseases», «Obstetrics and gynecology», «Surgical Diseases», «Public health and healthcare»;

acquisition of experience in social, managerial, and educational activities in public healthcare system.

In total, educational practice comprises of 423 academic hours during 8 weeks after the end of the 10th semester. It includes 288 in-class hours (supervised work) and 144 hours of independent work.

Educational practice is carried out in healthcare facilities as well as other organizations corresponding to the specialty.

According to the schedule of the educational process, a student takes a graded credit to the head of the practice from the department of the «Belarusian state medical university» (medical university).

The graded credit can also be evaluated by an executive of a practice base as an independent expert.

If educational practice is carried out after summer exam session, students can take graded credits during 2 primary weeks of the next academic year.

Graded credit can be taken under the following requirements: a student must present practice journal, written practice report, and written performance evaluation (and other documents required by practice program if necessary).

One of the steps of the graded credit is carried out as an objective structured clinical exam (further – OSCE). OSCE is performed as a demonstration of acquired practical skills by the student with the use of simulation-based learning techniques in the Simulation and Attestation Center.

OSCE is carried out in accordance with approved exam stations passports.

A student who has not completed the practice program and (or) got an unsatisfactory mark when taking the graded credit, is sent to educational practice once more (but no more than once) by order of the Rector of the medical university in his free time from practical classes to complete the practice program fully.

The grade received as the result of the graded credit is taken into account summing up the results of students' performance intermediate assessment of students.

Educational practice is not carried out simultaneously with the process of

academic theoretical education.

General management and organization of students' practice is entrusted to the head of the practice from the educational institution "Belarusian State Medical University".

General and direct management of the students' practice is carried out by the head of the practice base.

Direct management of educational practice at the practice base is performed by an assigned employee of the healthcare facility where the practice is based.

General and direct management of students' educational practice is provided by practice supervisors working in corresponding departments of the medical university:

- 1st Internal Diseases;

- 2nd Internal Diseases;

- Cardiology and Internal Diseases;

- Obstetrics and Gynecology;

- Surgery and Transplantology;

- Surgical Diseases;

- Public Health and Healthcare.

Scientific and methodological guidance of the practice of the medical university students is carried out by the Medical Faculty of International Students.

SECTION OF EDUCATIONAL PRACTICE IN THERAPY

The aim of medical clinical practice in therapy is to develop students' academic, social, personal and professional competencies to provide medical care to patients with diseases of internal organs.

The tasks of medical clinical practice in therapy are:

acquisition and consolidation of skills in providing medical care to patients in a hospital;

expansion and systematization of knowledge gained in the discipline «Internal Diseases»;

development of diagnostic skills and abilities necessary for providing medical care to patients;

gaining experience in public, organizational and educational work in the health care system.

In total 162 academic hours are allotted for covering medical clinical practice in therapy within 3 weeks after the end of the 10th semester.

Of these, 108 classroom hours, 54 hours of independent student work.

Clinical practice is carried out in hospital organizations corresponding to the therapeutic profile (hereinafter referred to as the practice base).

The head of the internship base carry out the general management and organization of the student's internship.

Direct supervision of the student's work on the basis of practice is carried out by an employee of the practice base.

The general management and organization of students' practice is entrusted to the head of the practice from the educational institution "Belarusian State Medical University" (hereinafter referred to as the medical university) from the 1st Department of Internal Diseases, 2nd Department of Internal Diseases, Department of Cardiology and Internal Diseases.

Scientific and methodological guidance of the practice of the medical university students is carried out by the Medical Faculty for International Students.

At the end of the clinical internship student **should**

know:

risk factors, etiology, pathogenesis of major diseases of internal organs;

features of the clinical picture, modern methods of diagnosis, differential diagnosis of major diseases of internal organs;

principles of treatment, prevention, medical rehabilitation measures for major diseases of internal organs;

be able to:

perform an examination of the patient and evaluate revealed changes in various organs and systems;

assess the level of consciousness of the patient and the severity of the condition;

collect the patient's medical history;

conduct a physical examination of the patient in organs and systems: respiration, cardiovascular, gastrointestinal tract, biliary system, musculoskeletal system;

identify and interpret the revealed pathology;

- present the findings in the medical history;
- formulate and substantiate a preliminary diagnosis;
- draw up a plan for laboratory and instrumental examination in order to verify the diagnosis;
- interpret the results of laboratory tests of blood, pleural, ascitic and cerebrospinal fluids;
- interpret the results of instrumental studies of internal organs and joints (electrocardiographic, spirographic, radiological, radiological, ultrasound, endoscopic, functional stress tests);
- carry out differential diagnostics and formulate a clinical diagnosis;
- determine the probable prognosis and treatment tactics;
- prescribe and justify etiotropic, pathogenetic and symptomatic therapy, its duration;
- draw up an individual program of medical rehabilitation of the patient on an outpatient basis, monitor its implementation;
- draw up medical documentation;
- provide emergency medical care in the most common emergency conditions: hypertensive crisis, asthma attack, pulmonary embolism, acute coronary syndrome, angina pectoris attack, myocardial infarction, cardiac asthma and pulmonary edema, cardiogenic shock, syncope, collapse, life-threatening disorders heart rhythm and conduction, an attack of renal and hepatic colic, acute pancreatitis, coma in diabetes mellitus, anaphylactic shock, pulmonary, gastrointestinal bleeding;
- give the patient recommendations on the prevention of diseases of internal organs, a healthy lifestyle, taking into account the state of health;
- observe the rules of medical ethics and deontology;
- possess:**
 - body temperature measurement skills;
 - the skills of counting the pulse rate, and breathing, determining the characteristics and deficit of the pulse;
 - skills in determining blood oxygen saturation (saturation);
 - blood pressure measurement skills;
 - ECG recording and interpretation skills;
 - skills to determine the function of external respiration;
 - skills in bladder catheterization;
 - skills in determining blood group and Rh factor;
 - skills of transfusion of erythrocyte mass, plasma, blood products, blood substitutes;
 - skills to stop capillary, venous and arterial bleeding;
 - skills of conducting an indirect heart massage;
 - artificial respiration skills.
- the skills of writing and filling out a doctor's prescription when prescribing medicines in various dosage forms.

A graded credit for a section is accepted if the student has an internship diary, a written report on the implementation of the internship program, a written review of the

student's internship (other materials provided for by the internship program, if necessary).

THE CONTENT OF THE PRACTICE

During medical clinical practice in therapy, students perform certain labor functions, provided for by the job responsibilities of the qualification characteristics of the corresponding position of a doctor of a therapeutic profile who does not have a qualification category.

During the period of internship, students can be involved in the provision of medical care to patients under the supervision of medical professionals responsible for their training.

Students having specialized medical education, working in state healthcare organizations as middle medical workers, can undergo clinical practice at the place of work, according to the conditions specified in subparagraph 2.2 of paragraph 2 of the Decree of the Ministry of Health of the Republic of Belarus dated September 20, 2012 No. 143 «On attracting students to participate in the provision of medical care to patients and engage in activities related to the circulation of medicines».

Students during the period of practice are subject to labor protection legislation, the internal labor regulations of the practice base, and labor legislation applies to students hired during the period of internship to work in vacant positions of employees.

Students undergo industrial medical clinical practice in therapy in the departments of the hospital with a therapeutic profile (therapeutic, cardiological, pulmonological, rheumatological, gastroenterological, nephrological).

The practical activity of students consists of daily work in departments and two evening shifts.

During practice, students carry out activities related to differential diagnosis, diagnosis, treatment, rehabilitation, prevention and dispensary observation of diseases of a therapeutic profile. They receive information about the patient's state of health, apply objective methods of examination, and identify general and specific signs of the disease. Assess the severity of the patient's condition and apply the necessary measures to provide medical care to the patient. Provide emergency medical care when needed. Learn to identify and prescribe special research methods. Study indications for hospitalization. They conduct differential diagnostics of diseases, learn to substantiate a clinical diagnosis, draw up a scheme, plan and tactics for treating patients. They work out the main functional and instrumental methods of research of therapeutic diseases to establish a diagnosis. Comply with the principles of medical ethics and deontology. They carry out sanitary and educational work among patients and their relatives on health promotion and disease prevention, promotion of a healthy lifestyle. Learn to maintain the necessary accounting and reporting documentation in the prescribed manner.

FORMS OF PRACTICE

Clinical medical practice in therapy is carried out in the following forms:

- passing labor protection briefings stipulated by the legislation;
- compliance with the requirements for the safe performance of work at the workplace;
- compliance with the internal labor regulations of the practice base; compliance with the rules and norms of medical ethics and deontology;
- execution of orders of the head of the practice base and the head of the practice from the organization;
- registration and submission to the head of the department from the medical university of reporting documentation on the implementation of the practice program provided for by the practice program;
- studying the documentation of the internship base in the scope of tasks determined by the internship program;
- participation in the provision of medical care to patients;
- presence at meetings and educational and methodological events based on practice;
- carrying out sanitary and educational work;
- duty in the department together with the general practitioner (2 times).
- curation of patients with the maintenance of medical records;
- independent performance of an objective examination of the patient, interpretation of the results of laboratory and instrumental diagnostic methods;
- monitoring the performance of medical manipulations, ultrasound, endoscopic, radiological diagnostic methods, functional stress tests.

INFORMATION AND METHODOLOGICAL PART CALENDAR AND THEMATIC PLAN OF THE EDUCATIONAL PRACTICE

| Name of work | Number of hours | |
|---|-----------------|----|
| | In-class | IW |
| Acquaintance with the structure of health care facilities, the organization of the protective and sanitary regime, the study of the regulatory framework, equipment and equipment | 7 | 5 |
| Curation of patients: participation in medical rounds, registration of medical documentation, appointment of examination and treatment | 45 | 35 |
| Shift in the admission department: reception, registration, examination, emergency care | 7 | - |
| Development of practical skills in caring for severe patients in therapeutic departments | 12 | 5 |
| Development of practical skills for the implementation of individual medical and diagnostic procedures | 16 | 4 |

| | | |
|---|------------|-----------|
| Development of practical skills in providing emergency care | 14 | 5 |
| Shift in the therapeutic department | 7 | - |
| Total: | 108 | 54 |

LIST OF PRACTICAL SKILLS TO BE ACQUIRED DURING PRACTICE AND THE LEVELS OF THEIR MASTERING

Levels of mastering practical skills:

1 – to know theoretically, to be professionally oriented, to know the indications for conducting;

2 – to know theoretically, evaluate, take part in the work of medical personnel;

3 – to know theoretically, perform independently.

A practical skill can be assigned several levels (for example: 1, 2, 3, or 1, 2). If there are no conditions in the health care organization for mastering the skill at levels 2, 3, the student must master practical skills, according to level 1.

| № | Practical skills | Recommended | |
|-----|--|-------------|--------------------|
| | | Number | Level of mastering |
| 1. | Performing a physical examination of the patient | 90 | 3 |
| 2. | Measurement of blood pressure, heart rate, counting the pulse rate and respiration | 90 | 3 |
| 3. | Determination of blood oxygen saturation (saturation) | 30 | 3 |
| 4. | Interpretation of the complete blood count (CBC) | 30 | 3 |
| 5. | Interpretation of the general analysis of urine (OAM) | 30 | 3 |
| 6. | Interpretation of blood glucose | 30 | 3 |
| 7. | Interpretation of a biochemical blood test | 30 | 3 |
| 8. | Interpretation of the coagulogram | 20 | 3 |
| 9. | Interpretation of respiratory function (PFR) | 10 | 3 |
| 10. | Interpretation of a chest x-ray (CXR) | 10 | 3 |
| 11. | Interpretation of radiographs of the joints | 6 | 3 |
| 12. | ECG interpretation | 20 | 3 |
| 13. | Carrying out ultrasound of the abdominal organs | 6 | 2 |
| 14. | Carrying out Echo KG | 6 | 2 |
| 15. | Conducting fibrobronchoscopy (FBS) | 3 | 2 |
| 16. | Fibroesophagogastrroduodenoscopy (FGDS) | 5 | 2 |
| 17. | Fibrocolonoscopy (FCS) | 3 | 2 |
| 18. | Carrying out a stress test (VEP, treadmill test) | 3 | 2 |
| 19. | Carrying out X-ray studies | 3 | 2 |
| 20. | Performing a pleural puncture | 1 | 1-2 |
| 21. | Substantiation of the clinical diagnosis | 30 | 2 |
| 22. | Prescribing medication to a patient | 60 | 2 |
| 23. | Providing emergency care to the patient | 6 | 2 |
| 24. | Carrying out resuscitation measures | 1 | 2 |
| 25. | Carrying out sanitary and educational work | 15 | 3 |

| | | | |
|-----|---|----|---|
| 26. | Registration of the initial examination in the patient's medical history | 6 | 3 |
| 27. | Registration of a diary of examination of patients in the patient's medical history | 30 | 3 |
| 28. | Making an epicrisis in the patient's medical history | 6 | 3 |
| 29. | Duty in the department of therapeutic profile | 1 | 3 |
| 30. | Reception duty | 1 | 3 |
| 31. | Participation in rounds, consultations, clinical conferences | 14 | 3 |
| 32. | Attendance at morning shifts | 14 | 3 |

EXAMPLE LIST OF PRACTICAL SKILLS TO BE LEARNED USING SIMULATION LEARNING TECHNOLOGIES

1. Auscultation of the lungs.
2. Auscultation of the heart.
3. Clinical interpretation of the results of laboratory tests in diseases of the internal organs;
4. Puncture of the pleural cavity;
5. Cardiopulmonary resuscitation of an adult in stationary conditions.
6. Emergency medical care for anaphylactic shock.
7. Electrocardiography: interpretation of the results of the study.

LIST OF PASSPORTS OF THE OSKE EXAMINATION STATIONS USED FOR THE CERTIFICATION OF STUDENTS

1. Passport of the examination station «**Diagnostics of a disease**» of an objective structured clinical examination (OSCE) in the academic discipline «Propaedeutic of internal diseases» for the specialty: «General Medicine».
2. Passport of the examination station «**Clinical interpretation of the results of laboratory studies in diseases of the internal organs**» of an objective structured clinical examination (OSCE) in the academic discipline «Internal Diseases» for the specialty: «General Medicine»
3. Passport of the examination station «**Puncture of the pleural cavity**» of an objective structured clinical examination (OSCE) in the academic discipline «Internal Diseases» for the specialty: «General Medicine».
4. Passport of the examination station «**Basic cardiopulmonary resuscitation**» of an objective structured clinical examination (OSCE) in the academic discipline «Internal Diseases» for the specialties: «General Medicine».
5. Passport of the examination station «**Provision of emergency medical care for anaphylactic shock**» of an objective structured clinical examination (OSCE) in the academic discipline «Internal Diseases» for the specialty: «General Medicine».
6. Passport of the examination station «**Electrocardiography: interpretation of the result of the study**» of an objective structured clinical examination (OSCE) in the academic discipline «Internal Diseases» for the specialty: «General Medicine».

THEMES AND FORMS OF SANITARY AND EDUCATIONAL WORK

Students carry out sanitary and educational work among patients and their relatives on health promotion and disease prevention, promotion of a healthy lifestyle.

Sanitary and educational work is carried out in one of the following forms:

- health education conversations with patients;
- thematic discussions;
- preparation of health bulletins;
- preparation of health education lectures.

Sanitary-educational conversations, thematic discussions, are made out in the section "Additional work" of the diary of passing industrial practice.

A health education bulletin or a brief summary of the lecture, printed using the MS Word application, is attached to the reporting documentation for the practice.

1. Sample topics for health education talks:

- 1.1. Rational nutrition of patients with cardiovascular pathology.
- 1.2. Rational nutrition of patients with pathology of the gastrointestinal tract.
- 1.3. Rational nutrition of patients with diabetes mellitus.
- 1.4. Rational nutrition of overweight patients.
- 1.5. Cooperation between the patient and the doctor in occupational diseases.
- 1.6. Features of primary and secondary prevention of occupational diseases.
- 1.7. Smoking as a risk factor for diseases of the respiratory system, cardiovascular system, gastrointestinal tract.

1.8. Physical inactivity as a risk factor for the development of diseases of the cardiovascular system. Modes of physical activity in coronary artery disease, hypertension, obesity.

1.9. Obesity as a risk factor for the development of diseases of the cardiovascular system, the musculoskeletal system, and the organs of the gastrointestinal tract.

2. Sample topics for thematic discussions:

2.1. The role of physical inactivity in the development of coronary artery disease.

Questions:

Are heart diseases a contraindication for exercise?

What types of physical activity should be present in different groups of patients (healthy individuals, patients with hypertension, patients with coronary artery disease, patients with CHF)?

2.2. Harm of smoking.

Questions:

What is the harmful effect of tobacco on the body?

Is there a safe amount of smoking?

What is more harmful - the stress of quitting smoking or continuing to smoke?

What are the techniques for quitting smoking?

Will an e-cigarette help?

2.3. Harm of alcohol.

Questions:

What is the harmful effect of alcohol on the body?

Is there a safe amount of alcohol?

What groups of patients need a complete abstinence from alcohol?

What types of alcohol are the most harmful?

2.4. Balanced diet.

Questions:

What is the energy requirement for different patient groups?

What foods have the most calories?

What foods contain the most fat and carbohydrates?

What foods contain the most protein and vitamins?

What foods are good for overweight people?

Which cooking methods are good and which are bad?

3. Indicative topics for health bulletins:

3.1. Rational nutrition in cardiovascular diseases.

3.2. Rational nutrition in diabetes mellitus.

3.3. Rational nutrition in peptic ulcer disease.

3.4. Risk factors for the development of diseases of the cardiovascular system.

3.5. Prevention of complications of acute respiratory diseases.

4. Tentative topics of health education lectures:

4.1. Risk factors for the development of diseases of the cardiovascular system.

4.2. Risk factors for the development of respiratory diseases.

4.3. Risk factors for the development of diseases of the gastrointestinal tract.

4.4. Risk factors for developing kidney disease.

4.5. Non-drug treatment of arterial hypertension.

4.6. Non-pharmacological treatment of kidney diseases.

4.7. Phytotherapy (herbal medicine) of COPD.

4.8. Prevention of complications of acute respiratory diseases.

4.9. Smoking as a risk factor for diseases of the respiratory system, cardiovascular system, gastrointestinal tract.

4.10. Physical inactivity as a risk factor for the development of diseases of the cardiovascular system, modes of physical activity in coronary artery disease, hypertension, obesity.

4.11. Peptic ulcer of the stomach and duodenum - risk factors, primary and secondary prevention.

4.12. Obesity as a risk factor for the development of diseases of the cardiovascular system, the musculoskeletal system, and the organs of the gastrointestinal tract.

4.13. Vitamins and their role in human nutrition.

REGULATORY LEGAL ACTS

1. 1. О здравоохранении : Закон Республики Беларусь от 18.06.1993 № 2435 – XII: с изм. и доп.

2. Санитарно-эпидемиологические требования к организациям, оказывающим медицинскую помощь, в том числе к организации и проведению санитарно-противоэпидемических мероприятий по профилактике

инфекционных заболеваний в этих организациях : постановление Министерства здравоохранения Республики Беларусь от 05.07.2017 № 73.

3. Об утверждении клинического протокола оказания скорой (неотложной) медицинской помощи взрослому населению и признании утратившими силу отдельных структурных элементов приказа Министерства здравоохранения Республики Беларусь от 13 июня 2006 г. № 484 : приказ Министерства здравоохранения Республики Беларусь от 30.09.2010 № 1030.

4. О правилах медицинской этики и деонтологии : постановление Министерства здравоохранения Республики Беларусь от 07.08.2018 № 64.

5. Медицинские документы терапевтического стационара:

№ 003/у-07 «Медицинская карта стационарного пациента»,

№ 066/у-07 «Статистическая карта выбывшего из стационара»,

№ 016/у-07 «Сводная ведомость учета движения больных и коечного фонда по стационару, отделению или профилю коек» согласно приложениям 1, 3 и 4 к приказу Министерства здравоохранения Республики Беларусь от 1 октября 2007 г. № 792 «Об утверждении форм первичной медицинской документации в организациях здравоохранения, оказывающих стационарную помощь».

SAMPLE QUESTIONS FOR THE GRADED CREDIT

1. Interpretation of the general blood test.
2. Interpretation of the general analysis of urine.
3. Interpretation of a biochemical blood test.
4. Interpretation of the coagulogram.
5. Interpretation of the function of external respiration.
6. Deciphering the ECG.
7. X-ray of the chest.
8. Method of gastric drainage
9. Method of catheterization of the bladder in a man.
10. Method of bladder catheterization in a woman.
11. Method for determining the blood group and Rh factor.
12. Methodology for conducting a stress test (VEP, treadmill test).
13. Method of indirect heart massage.
14. Procedure for conducting cardiopulmonary resuscitation.
15. The procedure for assisting a patient with pneumothorax.
16. The procedure for assisting a patient with PE (pulmonary embolism).
17. The procedure for helping a patient with an asthma attack in bronchial asthma.
18. The procedure for assisting a patient with asthmatic status.
19. The procedure for assisting a patient with respiratory distress syndrome in adults.
20. Procedure for the care of a patient with cardiogenic shock.
21. The procedure for assisting a patient with anaphylactic shock.
22. The procedure for assisting a patient with hemorrhagic shock.
23. The procedure for assisting a patient with hypovolemic shock.

24. The procedure for assisting a patient with infectious-toxic shock.
25. Procedure for assisting a patient with acute left ventricular failure and pulmonary edema.
26. The procedure for assisting a patient with a paroxysm of monomorphic ventricular tachycardia.
27. The procedure for assisting a patient with pirouette tachycardia of the torsades de pointes type.
28. The procedure for assisting a patient with a paroxysm of atrial fibrillation.
29. Procedure for assisting a patient with supraventricular tachycardia.
30. The procedure for assisting a patient with paroxysm of AV reciprocal tachycardia against the background of WPW syndrome.
31. Procedure for assisting a patient with paroxysmal atrial tachycardia.
32. The procedure for assisting a patient with a paroxysm of atrioventricular nodal reciprocal tachycardia.
33. Procedure for assisting a patient with frequent ventricular extrasystoles.
34. Procedure for assisting a patient with complete AV block.
35. The procedure for assisting a patient with an uncomplicated hypertensive crisis.
36. The procedure for assisting a patient with a cardiac hypertensive crisis complicated by acute left ventricular failure.
37. The procedure for assisting a patient with a cardiac hypertensive crisis complicated by acute coronary syndrome.
38. Procedure for assisting a patient with a cardiac hypertensive crisis complicated by aortic dissection.
39. Procedure for providing care to a patient with a cerebral hypertensive crisis complicated by ischemic stroke.
40. The procedure for assisting a patient with a cerebral hypertensive crisis complicated by hemorrhagic stroke.
41. The procedure for assisting a patient with a cerebral hypertensive crisis complicated by acute hypertensive encephalopathy.
42. The procedure for assisting a patient with aortic dissection.
43. Procedure for helping a patient with Quincke's edema.
44. Procedure for helping a patient with an acute allergic reaction (urticaria).
45. Procedure for helping a patient with laryngeal edema.
46. Procedure for helping a patient with hyperglycemic ketoacidotic coma.
47. Procedure for helping a patient with hyperglycemic hyperosmolar coma.
48. The procedure for assisting a patient with hypoglycemic coma.
49. The procedure for assisting a patient with acute hepatic encephalopathy.
50. The procedure for assisting a patient with acute adrenal insufficiency.
51. The procedure for assisting a patient with acute renal failure.
52. The procedure for assisting a patient with acute urinary retention.
53. Procedure for assisting a patient with acute hyperthermia.
30. The procedure for assisting a patient with paroxysm of AV reciprocal tachycardia against the background of WPW syndrome.
31. Procedure for assisting a patient with paroxysmal atrial tachycardia.

32. The procedure for assisting a patient with a paroxysm of atrioventricular nodal reciprocal tachycardia.

33. Procedure for assisting a patient with frequent ventricular extrasystoles.

34. The procedure for assisting a patient with complete AV block.

35. The procedure for assisting a patient with an uncomplicated hypertensive crisis.

36. The procedure for assisting a patient with a cardiac hypertensive crisis complicated by acute left ventricular failure.

37. The procedure for assisting a patient with a cardiac hypertensive crisis complicated by acute coronary syndrome.

38. Procedure for assisting a patient with a cardiac hypertensive crisis complicated by aortic dissection.

39. Procedure for providing care to a patient with a cerebral hypertensive crisis complicated by ischemic stroke.

40. The procedure for assisting a patient with a cerebral hypertensive crisis complicated by hemorrhagic stroke.

41. The procedure for assisting a patient with a cerebral hypertensive crisis complicated by acute hypertensive encephalopathy.

42. The procedure for assisting a patient with aortic dissection.

43. Procedure for helping a patient with Quincke's edema.

44. Procedure for helping a patient with an acute allergic reaction (urticaria).

45. The procedure for assisting a patient with laryngeal edema.

46. Procedure for helping a patient with hyperglycemic ketoacidotic coma.

47. Procedure for helping a patient with hyperglycemic hyperosmolar coma.

48. The procedure for assisting a patient with hypoglycemic coma.

49. The procedure for assisting a patient with acute hepatic encephalopathy.

50. The procedure for assisting a patient with acute adrenal insufficiency.

51. The procedure for assisting a patient with acute renal failure.

52. The procedure for assisting a patient with acute urinary retention.

53. Procedure for assisting a patient with acute hyperthermia.

54. The procedure for assisting a patient with heat stroke.

55. Procedure for helping a patient with sunstroke.

56. Procedure for helping a patient with fainting.

57. The procedure for formulating the diagnosis of myocardial infarction in accordance with the classification.

58. The procedure for formulating the diagnosis of arterial hypertension in accordance with the classification.

59. The procedure for formulating the diagnosis of bronchial asthma in accordance with the classification.

60. The procedure for formulating the diagnosis of COPD in accordance with the classification.

61. The procedure for formulating the diagnosis of pneumonia in accordance with the classification.

62. The procedure for formulating the diagnosis of rheumatism in accordance with the classification.

63. The procedure for formulating the diagnosis of stable angina in accordance with the classification.

64. The procedure for formulating the diagnosis of glomerulonephritis in accordance with the classification.

65. The procedure for formulating the diagnosis of pyelonephritis in accordance with the classification.

66. The procedure for formulating the diagnosis of anemia in accordance with the classification.

67. The procedure for formulating the diagnosis of gastric ulcer and duodenal ulcer in accordance with the classification.

68. The procedure for formulating the diagnosis of GERD in accordance with the classification.

69. The procedure for formulating the diagnosis of hepatitis in accordance with the classification.

70. The procedure for formulating the diagnosis of liver cirrhosis in accordance with the classification.

71. Tactics of treatment of a patient with acute coronary syndrome with ST segment elevation.

72. Tactics of treatment of a patient with non-ST elevation acute coronary syndrome.

73. Diagnostic criteria for myocardial infarction.

74. Tactics of treatment of a patient with arterial hypertension.

75. Tactics of treatment of a patient with stable angina pectoris.

76. Tactics of treatment of a patient with gastric ulcer and duodenal ulcer.

77. Tactics of treatment of a patient with GERD.

78. Tactics of treating a patient with COPD.

79. Tactics of treatment of a patient with community-acquired pneumonia.

80. Tactics of treatment of a patient with bronchial asthma.

81. Tactics of treatment of a patient with chronic glomerulonephritis.

82. Tactics of treatment of a patient with acute glomerulonephritis.

83. Tactics of treatment of a patient with chronic pyelonephritis.

84. Tactics of treatment of a patient with acute rheumatic fever, secondary prevention.

REQUIREMENTS FOR THE CONTENT OF REPORTING DOCUMENTS

During the internship, the student, under the supervision of the head of the internship from the organization, completes the internship program and reflects the progress of its implementation in the internship diary in accordance with Appendix 1.

The title page of the diary is signed by the head of practice from the organization, the head of practice from the department of the medical university.

The diary is a document that records the implementation of the industrial practice program. In the diary, the student daily notes the mastered practical skills.

Daily the diary is signed by the head of practice from the organization and the student. Corrections, additions after approval of records by the head of practice from the organization are not allowed.

During the last week of practice, the student prepares a written report on the implementation of the practice program. In the report, the student indicates acquired practical skills, their number and level of development according to Appendix 2. The report must be signed by the student, the head of the practice from the organization, approved by the head (deputy head) of the practice base and certified with a seal.

At the end of the internship, the head of the practice from the organization writes out a written review of the student's internship in accordance with Appendix 9.

A written review of the internship by the student is signed by the head of the internship from the organization.

The review notes:

business qualities of a trainee student, his ability to acquire professional skills, master practical skills;

the presence and results of the development of personal qualities (communicative, moral, volitional) necessary for the profession;

compliance with labor discipline, labor protection requirements, sanitary norms and rules;

general assessment of the results of the implementation of the practice program and the level of practical training achieved;

relationships with the medical staff, knowledge and implementation of the norms of medical ethics and deontology.

At the end of the internship, the student submits reporting documentation, as well as other materials provided for by the practice program, to the head of practice from the department of the medical university.

Registration of a diary, report and other reporting documents of a student is carried out on paper in A4 format using the MS Word application.

The reporting documentation is stored at the medical university in the manner determined by the legislation in the field of archiving and office work.

SECTION OF EDUCATIONAL PRACTICE IN OBSTETRICS AND GYNECOLOGY

The aim of educational practice in obstetrics and gynecology is to ensure that students form sufficient academic, socio-personal, and professional competencies required to provide medical care for pregnant women, parturients and puerperae, and for patients with gynecological disorders.

The aims of work experience practice in obstetrics and gynecology are the following:

- acquisition and consolidation of skills in providing medical care to patients in inpatient settings;

- expansion and systematization of knowledge gained during the study of the academic discipline «Obstetrics and Gynecology»;

- acquisition of work experience in socially significant, organizational and educational spheres in healthcare.

In total, work experience practice in obstetrics and gynecology requires 108 academic hours during 2 weeks upon the completion of the 10th semester.

It includes 72 class-hours, and 36 hours of unsupervised work.

Work experience practice is carried out in healthcare facilities providing obstetric and gynecological care (referred to below as “practice base”).

General management and direction of work experience training is provided by healthcare facilities administration (director or chief of the facility).

Direct management of work experience practice is provided by an employee of the practice base.

General and direct management of work experience practice is provided by the employees of the Department of Obstetrics and Gynecology of the educational institution “Belarusian State Medical University”.

Scientific and methodological management of work experience practice is provided by the Medical Faculty for International Students.

Upon completion of work experience practice in obstetrics and gynecology a student must

know:

- aims, goals, and distinctive features of medical care organization for pregnant women, parturients, puerperae, and patients with gynecological pathologies in the Republic of Belarus;

- the regime of disease control and prevention in inpatient departments of obstetrics and gynecology;

- ethics and deontology regulations;

- ethics and deontology specifics in obstetrics and gynecology;

- guidelines of providing medical care for women in obstetrics and gynecology;

- role of pregnancy, labor and postpartum period complications and gynecological pathology in the structure of common disease burden of the population;

- main parameters of female population health;

- causes of maternal, perinatal and neonatal mortality;

- indications and contraindications for pregnancy continuation in patients with most common somatic, surgical, and gynecological pathology;

- clinical and laboratory findings typical for essential pathologies in obstetrics and gynecology;
- indications for inpatient treatment;
- physiological processes in female reproductive system in different age periods;
- physiological processes in female organism during conception, childbearing, labor, and postpartum period;
- physiological course and principles of medical assistance during pregnancy, labor, and postpartum period;
- characteristic features of early neonatal period;
- primary newborn hygiene and newborn care;
- methods of assessment of the maternal – placental – fetal unit;
- etiology and pathogenesis of complications of pregnancy, labor and postpartum period, and of gynecological diseases and female reproductive organs malformations;
- classification, clinical presentation, diagnostics, differential diagnostics, treatment and prevention of complications of pregnancy, labor and postpartum period, and of essential gynecological diseases;
- main steps of surgical interventions in obstetrics and gynecology;
- principles and methods of general and regional anesthesia and analgesia used in obstetrics and gynecology;
- indications and contraindications for health resort treatment of pregnant women, puerperae and patients with gynecological pathology;
- basic principles of rehabilitation and medical surveillance of pregnant women, puerperae and patients with gynecological pathology;
- specifics of use of medications in obstetrics;
- be able to:**
 - gather medical history regarding somatic and obstetrical/gynecological details in pregnant women, parturients, puerpera and patients with gynecologic pathologies;
 - carry out general examination and assess physical condition of pregnant women, parturients, puerpera and patients with gynecologic pathologies;
 - carry out physical examination of a female patient: external obstetric examination, pelvimetry;
 - define term of gestation and estimated due date, estimated fetal weight;
 - assess fetal heart tones using an obstetrical stethoscope;
 - reveal specific complications in course of pregnancy, labor, and postpartum period;
 - establish risk factors of obstetric and gynecological pathology;
 - interpret the results of clinical and laboratory work-up of pregnant women, parturients, puerpera and patients with gynecologic pathologies for diagnostics and differential diagnostics of pathologies;
 - perform complex assessment of the maternal – placental – fetal unit;
 - provide urgent medical care in cases of severe preeclampsia and eclampsia, hemorrhage, toxic shock, and disseminated intravascular clotting syndrome (DIC);
 - handle deontological problems related to gathering medical history, prevention, diagnostics and medical care for pregnant women, parturients, puerpera and patients with gynecologic pathologies;

perform primary newborn care;
independently study methodical, scientific, and reference materials, as well as legal regulations and legislative acts;

master:

methods of evaluation of pregnancy term and estimated due date;
methods of evaluation of estimated fetal weight;
technique of external obstetric examination;
technique of abdominal circumference and uterine fundal height measurement;
methods of evaluating pelvic size during pregnancy;
technique of assessing fetal heart tones using an obstetrical stethoscope;
methods of uterine contractility evaluation in labor;
methods of preeclampsia severity assessment;
methods of blood loss evaluation in pregnancy, labor and postpartum period, in patients with gynecological disorders;
methods of diagnostics of urgent pathology in obstetrics and gynecology;
methods of uterine cervix assessment during pregnancy, labor and postpartum period;
methods of assessment of sexual development in pediatric and adolescent gynecology, and methods of diagnostics of congenital malformations of the reproductive system.

A graded credit after completing the section of obstetrics and gynecology work experience practice requires that the student presents an internship diary, a written report on completion of the practice program, a written review of the student's internship practice (and other papers required by the practice program, if necessary).

CONTENT OF PRACTICE

During work experience practice in obstetrics and gynecology students perform specific functions stipulated by the job responsibilities of an employee's corresponding position qualification characteristics indicated in the Unified Qualification Directory of the Employee's Position for a doctor obstetrician-gynecologist that does not possess a qualification category.

During the period of work experience practice students may be involved in providing medical care to patients under the supervision of medical professionals responsible for their training.

Students with secondary specialized medical, pharmaceutical education, working in public health institutions in the positions of secondary medical, pharmaceutical providers may undergo practical training at their place of employment, in case they follow the conditions specified in Paragraph 2 (Item 2.2) of the Resolution of the Ministry of Health of the Republic of Belarus, dated September 20, 2012 №143 «On Involving Students in Providing Medical Care and Activities Related to the Circulation of Medicines».

During the practice period the students have to follow the legislation on labor protection, the rules of the internal labor regulations of the practice base; the labor legislation also applies to students employed for vacant positions during the period of practice.

Medical practical training in obstetrics and gynecology is carried out in the following departments: admission department, department of pregnancy pathology, labor ward or observational ward, postpartum ward, gynecological department.

Practical training consists of daily work in the aforementioned departments and 2 evening shifts in those departments.

During medical practical training a student gets acquainted with medical documentation: under the supervision performs management of patients, fills medical documentation concerning delivery, medical discharge report, patient chart, statistical card upon discharge, creates a plan of diagnosis and treatment of patients based on clinical guidelines and protocols.

In an admission ward of obstetric and gynecological departments a student learns the procedure of hospitalization, sanitary treatment of pregnant women and puerperae, of patients with gynecological pathologies. Under the supervision, performs external and internal obstetric examination, fetal heart tones auscultation in pregnant women, bimanual gynecological examination, cervical examination per speculum in gynecological patients. Accompanied by a doctor, creates a plan of diagnosis and treatment of patients.

In a department of pregnancy pathologies or in an observational department a student learns main methods of examination and criteria for discharge in cases of pregnancy complications, and in cases of pregnancy accompanied by somatic pathology; learns a scheme of a pre-operative preparation for C-section; takes part in diagnostic procedures (ultrasound examination, recording and interpretation of CTG in pregnant women), performs external and internal obstetric examination, fetal heart tones auscultation, cervical examination per speculum.

In a labor (or observational) ward, under the supervision of medical personnel, monitors the course of delivery, performs external and internal obstetric examination, fetal heart tones auscultation. Under the supervision, records and interprets CTG, performs assessment of a newborn using the APGAR-score. Accompanied by a midwife, participates in medical assistance during normal labor, carries out primary newborn hygiene. Participates as an assistant to a doctor during birth canal examination, surgical interventions in case of lacerations of vaginal walls or cervix, during C-section.

In a postpartum (or observational) ward, under the supervision of medical personnel, monitors the wellbeing of puerpera, paying special attention to postoperative patients after C-section, performs internal obstetric examination, and breast examination of puerperae.

In a gynecological department, a student, supervised by a doctor, learns main principles of diagnostics and treatment of urgent and elective patients in accordance with clinical guidelines and protocols, learns principles of preoperative preparation and postoperative care; participates in assistance to a doctor during minor gynecological surgeries (dilation and curettage, culdocentesis, Bartholin's gland's abscess drainage). Participates as an assistant during abdominal and vaginal gynecological surgeries. Under the supervision of a doctor, performs bimanual gynecological examination, cervical examination per speculum, takes smears from vagina, cervical canal, and urethra.

FORMS OF PRACTICAL TRAINING

Work experience practice in obstetrics and gynecology is carried out in the following forms:

attending briefing sessions on occupational safety according to corresponding legislative acts;

compliance with the requirements of safe occupational activity at the workplace;

compliance with the practice base internal labor regulations; compliance with the rules and norms of medical ethics and deontology;

fulfilling the orders of the Head of the practice base and the Head of the practice of the educational institution;

registration and submission of the required documents on the implementation of the practice program to the Head of the Department of the medical university, stipulated by the work experience program;

studying the practice base documents defined by the practice program;

participation in the provision of medical care to patients;

attending meetings, educational and methodological events held at the practice base;

participation in providing health-oriented educational activities;

weekly evening shift in an obstetric department accompanied by an obstetrician-gynecologist.

INFORMATION AND METHODOLOGICAL PART SCHEDULE AND THEMATIC PLAN

| Practice section: type of activity | Number of hours | |
|---|-----------------|--------------|
| | In class | Unsupervised |
| Working in an admission ward of an obstetrics and gynecology unit | 12 | 6 |
| Working in a department of pregnancy pathology or in corresponding wards in an observational unit | 12 | 6 |
| Working in a physiological or observational labor ward | 12 | 6 |
| Working in a department for postpartum patients | 6 | 3 |
| Working as a doctor's assistant in a gynecological department | 18 | 9 |
| Two evening shifts | 12 | 6 |
| Total: | 72 | 36 |

LIST OF PRACTICAL SKILLS TO BE ACQUIRED DURING PRACTICE

Levels of mastering practical skills (may be extended):

1 – get theoretical knowledge, be professionally oriented, know the indications for ...;

2 – know theory, assess and assist in the medical personnel activity;

3 – know theory, act independently.

Several levels can be assigned to practical skill (for example: 1, 2, 3, or 1, 2). If there are no facilities (opportunities) at the healthcare institution to master the skill at levels 2, 3, the student is required to master practical skills at level 1.

| № | Practical skills | Recommended quantity | |
|----|---|----------------------|------------------|
| | | Quantity | Level of mastery |
| 1 | Anamnesis collection | 10 | 3 |
| 2 | Management of patients and medical documentation paperwork | 7-8 | 3 |
| 3 | External obstetric examination: pelvimetry, Solovyov's index, Michaelis rhombus, abdominal circumference, and symphysis-fundus uterine height in a pregnant woman | 5 | 3 |
| 4 | External obstetric examination: Leopold's maneuvers | 10 | 3 |
| 5 | Estimation of fetal weight | 10 | 3 |
| 6 | Estimation of gestational term, of due delivery date | 10 | 3 |
| 7 | Internal obstetric examination | 5 | 3 |
| 8 | Auscultation and interpretation of fetal heart tones | 10 | 3 |
| 9 | CTG recording and interpretation | 10 | 3 |
| 10 | Assistance during normal labor | 2 | 2 |
| 11 | Evaluation of placental separation signs | 2 | 3 |
| 12 | Evaluation of placental integrity and of blood loss during labor | 2 | 3 |
| 13 | External methods of placental delivery | 2 | 2 |
| 14 | Prevention of hemorrhage in early postpartum period | 2 | 2 |
| 15 | Newborn condition assessment using the APGAR-score | 2 | 3 |
| 16 | Primary newborn hygiene | 2 | 2 |
| 17 | Assistance during examination of birth canal, surgical management of vaginal and cervical lacerations | 2 | 2 |
| 18 | Assistance during C-section | 2 | 2 |
| 19 | Cervical examination per speculum, bimanual gynecological examination | 5 | 3 |
| 20 | Visual examination and palpation of breasts | 5 | 3 |
| 21 | Collection of vaginal, cervical, and urethral smears | 5 | 3 |
| 22 | Collection of cervical cytology smears | 2 | 3 |
| 23 | Assistance during minor gynecological surgeries (dilation and curettage, culdocentesis, Bartholin's gland's abscess drainage) | 5 | 2 |
| 24 | Assistance during abdominal and vaginal gynecological surgeries | 2 | 2 |
| 25 | Surgical hand scrubs | 10 | 3 |

SUGGESTED LIST OF PRACTICAL SKILLS FOR MASTERING WITH THE USE OF SIMULATION-BASED LEARNING METHODS

1. External obstetric examination (Leopold maneuvers).
2. Out-patient visit of a pregnant patient.
3. External pelvimetry.
4. Vaginal examination prior to delivery aimed at evaluating cervical effacement and dilation.
5. Vaginal examination in labor and interpretation of the data.
6. Obstetric care during labor in cephalic presentation.
7. Delivery of the placenta with the use of Abuladze method.
8. Delivery of the placenta with the use of Günter method.
9. Delivery of the placenta with the use of Krede-Lazarevich method.
10. Evaluation of placental integrity.
11. Cervical examination after delivery.
12. Bleeding prevention during 3rd period of labor and early postpartum period.
13. Manual examination of uterine cavity.
14. Manual placenta separation and delivery.
15. Urgent medical assistance in case of obstetric hemorrhage.
16. Urgent medical assistance in case of severe preeclampsia/eclampsia.
17. Out-patient visit of a gynecological patient.
18. Vaginal and cervical examination per speculum, data interpretation.
19. Bimanual gynecological examination, data interpretation.
20. Biological sample collection from endocervix and ectocervix for conventional cytology evaluation.
21. Biological sample collection from endocervix and ectocervix for liquid cytology evaluation.
22. Biological sample collection from urethra, cervical canal and vagina for bacterioscopy.
23. Visual examination and palpation of mammary glands.
24. Dilation and curettage of the cervical canal.
25. Probing of uterine cavity.
26. Curettage in case of incomplete abortion.
27. Dilation and curettage of the uterine cavity.

PASSPORTS OF STATIONS FOR OBJECTIVE STRUCTURED CLINICAL EXAMINATION (OSCE) USED FOR STUDENT ATTESTATION

1. Passport of station «**External obstetric examination – Leopold maneuvers**» for objective structured clinical examination for the discipline «Obstetrics and Gynecology» for specialty 1-79 01 01 «General Medicine».
2. Passport of station «**Biological sampling for cytology from endocervix and ectocervix**» for objective structured clinical examination for the discipline «Obstetrics and Gynecology» for specialty 1-79 01 01 «General Medicine».

TOPICS AND FORMS OF SANITARY AND EDUCATIONAL WORK

During educational practice in obstetrics and gynecology a student is required to carry out 2 educational talks with patients and include them in the section named «Additional activities» the journal of practice.

Topics for conversations:

1. Healthy lifestyle as a basis of female health.
2. Impact of alcohol and smoking on maternal health.
3. Impact of chemical addiction on pregnancy.
4. Impact of environmental hazards on maternal and perinatal wellbeing.
5. Physiological changes during pregnancy.
6. Nutrition during pregnancy.
7. Lifestyle and personal hygiene during pregnancy.
8. Getting prepared for delivery.
9. Personal hygiene in postpartum period.
10. Basic principles of breastfeeding.
11. Family planning.
12. Impact of sexually transmitted diseases of a female reproductive health.
13. Contraception methods.
14. Prevention of malignant diseases of female reproductive system.

REGULATORY LEGAL ACTS

1. О здравоохранении : Закон Республики Беларусь от 18.06.1993 № 2435 – XII: с изм. и доп.
2. Клинический протокол «Медицинское наблюдение и оказание медицинской помощи женщинам в акушерстве и гинекологии» : постановление Министерства здравоохранения Республики Беларусь от 19.02.2018 №17.
3. Санитарно-эпидемиологические требования к организациям, оказывающим медицинскую помощь, в том числе к организации и проведению санитарно-противоэпидемических мероприятий по профилактике инфекционных заболеваний в этих организациях : постановление Министерства здравоохранения Республики Беларусь от 05.07.2017 № 73.
4. О правилах медицинской этики и деонтологии : постановление Министерства здравоохранения Республики Беларусь от 07.08.2018 № 64.
5. Об утверждении форм первичной медицинской документации акушерско-гинекологической и педиатрической службы : приказ Министерства здравоохранения Республики Беларусь от 26.09.2007 № 774.

SAMPLE QUESTIONS FOR THE GRADED CREDIT

1. External obstetric examination.
2. Methods of pelvic anatomy and sizes assessment in pregnant women.
3. Methods of pregnancy term and due delivery date evaluation.
4. Methods of estimated fetal weight assessment.
5. Methods of fetal heartbeat assessment and interpretation.
6. Evaluation of cervical effacement and dilation in pregnancy and in labor.
7. Methods of uterine contractile activity evaluation.

8. Principles of medical assistance during 1st period of labor.
9. Principles of medical assistance during 2nd period of labor.
10. Signs of placental separation, evaluation of placental integrity.
11. External maneuvers of placental delivery.
12. Primary newborn hygiene.
13. Technique and contents of internal obstetric examination.
14. Methods of blood loss volume evaluation during pregnancy, labor, and postpartum period, and in patients with gynecological disorders.
15. Technique of manual perineal protection in 2nd period of labor.
16. Indications for performing and technique of episiotomy in labor.
17. Indications for performing and technique of amniotomy.
18. Technique of postpartum cervical examination per speculum. Technique of surgical repair of vaginal, cervical and perineal lacerations in labor.
19. Steps of C-section.
20. Technique of forceps-assisted delivery.
21. Technique of vacuum-assisted delivery.
22. Tsovyanov's maneuver in case of frank breech presentation. Manual assistance in breech delivery (classic manual assistance, breech extraction).
23. Urgent medical care in case of severe preeclampsia.
24. Urgent medical care in case of eclampsia.
25. Urgent medical care in case of hypotonic postpartum hemorrhage.
26. Urgent medical care in case of hemorrhagic shock, DIC-syndrome.
27. Urgent medical care in case of toxic shock.
28. Technique and contents of bimanual gynecologic examination, cervical examination per speculum.
29. Technique and contents of biological sample collection from vagina, urethra, and cervix. Different types of smear analyses.
30. Types of hygienic antiseptic handwash before patient examination and before surgical interventions.
31. Steps of dilation and curettage, technique of culdocentesis.
32. Endoscopic diagnostic methods in gynecology.
33. Salpingectomy. Steps of surgery.
34. Supravaginal uterine amputation without adnexae. Steps of surgery.
35. Supravaginal uterine amputation with adnexae. Steps of surgery.
36. Hysterectomy without adnexae. Steps of surgery.
37. Hysterectomy with adnexae. Steps of surgery.
38. Adnexectomy. Steps of surgery.
39. Methods of diagnostics and steps of urgent medical care in case of tubal pregnancy.
40. Methods of diagnostics and steps of urgent medical care in case of ovarian tumor torsion.
41. Methods of diagnostics and steps of urgent medical care in case of ovarian apoplexy.

REQUIREMENTS FOR THE CONTENT OF REPORTING DOCUMENTS

During practice a student accomplishes the practice program under the supervision of the head of the practice from the organization. According to the results of the practice, a written report on the implementation of the practice program is prepared. In the report the student indicates the acquired practical skills, their number and level of mastering according to Appendix 3.

Title page of practice journal must be signed by a supervisor of practice assigned by a healthcare facility, and by a supervisor of practice assigned by the corresponding Department of the University (Department of Obstetrics and Gynecology).

The practice journal is a document which demonstrates daily accomplishment of practice program, where a student writes down acquired and performed practical skills.

The practice journal must be signed on a daily basis by a student and by a supervisor of practice assigned by a healthcare facility. No corrections or additions should be made after signing the journal.

During the last week of educational practice, a student composes a written report stating accomplishment of practice program. The report is required to include acquired practical skills, their quantity and level of mastery according to Appendix 4. The report must be signed by the student, by the supervisor of practice assigned by a healthcare facility, approved and sealed by a director (doctor in chief) of a healthcare facility.

At the end of educational practice, the supervisor of practice assigned by a healthcare facility approves and signs a written performance evaluation report in accordance with Appendix 9.

This report should contain the following characteristics of a student:

- professional qualities of the student, their aptitude in acquiring practical skills and professional competencies;

- personal characteristics (communicative, moral, and ethical), essential for the profession;

- abidance by rules of professional discipline, professional safety, sanitary norms and regulations;

- general assessment of practice results and acquired level of professional competence;

- communications with colleagues, knowledge of and abidance by norms of medical ethics and deontology.

At the end of educational practice, a student presents all the required paperwork to the supervisor assigned by the department of obstetrics and gynecology. The report and other reporting documents must be executed on A4 paper using the MS Word application. The documentation is kept at the medical university in accordance with the procedure determined by the legislation in the field of archive and record keeping.

SECTION OF EDUCATIONAL PRACTICE IN IN SURGERY

The purpose of the work experience practical training in surgery is to consolidate and deepen the knowledge gained by students in the process of theoretical training, mastering practical skills, forming the necessary skills and competencies for their subsequent independent professional activity in the specialty 1-79 01 01 «General Medicine».

The students' work experience practice is aimed at the acquiring of professional skills in the specialty, gaining of practical experience, development of professional thinking, testing the capabilities of a future specialist allowing him to perform professional functions independently.

The objectives of work experience practice for Surgery are following:

- expansion and systematization of knowledge gained during the study of the academic discipline «Surgical Diseases»;

- acquisition and consolidation of skills in providing medical care to patients in outpatient and inpatient settings;

- gaining experience in public, organizational and educational work in the health care system.

Totally: 162 academic hours are assigned for work experience practice during 3 weeks after graduation 10th semester. Of these, 108 classroom hours, 54 hours for independent work.

Work experience practice is carried out at healthcare settings, as well as at other institutions of the corresponding educational profile «General Medicine» (hereinafter referred to as the practice base).

The general management and organization of the students' practice is entrusted to the Head of the practice of the educational institution. The general management and organization of the students' practice at the practice base is carried out by the Head of the practice base.

Direct management of students' practice at the practice base is carried out by an employee of the practice base (hereinafter referred to as the Head of the practice of the educational institution).

The general and direct management of the students' practice in work experience practice is carried out by the Head of the practice of the medical university departments.

Scientific and methodological guidance of the practice of the medical university students is carried out by the International faculty.

By the end of work experience practice the student must **know:**

- the role and tasks of a surgeon in providing qualified and specialized medical care to the population;

- features of the organization of medical care to the population in a particular healthcare organization;

- the basics of the sanitary and epidemiological regime and the technique of safe work in a medical institution in accordance with the regulatory framework and strictly comply with all the requirements for their observance in the surgical, resuscitation,

emergency departments and operating rooms;

rules for registration of medical documents in a hospital;

clinic, classification, main symptoms, diagnosis, first aid and treatment of the most common diseases;

clinical protocols of the Ministry of Health of the Republic of Belarus for the provision of care in emergency conditions in patients;

treatment and diagnostic tactics (examination and treatment algorithm) of all emergency diseases;

sequence of assistance and features of the examination of patients with concomitant trauma;

procedure for providing assistance in case of mass admission of patients to the emergency department;

basic principles and stages of the most common operations in surgical practice;

issues of deontology and medical ethics;

bases of examination of ability to work;

Rules and norms of labor protection and fire safety.

be able to:

identify the main and additional complaints of patients, collect an anamnesis, analyze and present the data obtained in the medical record of the inpatient;

conduct an objective examination of the patient, identify and interpret the identified pathology;

substantiate a preliminary diagnosis, determine a further plan for laboratory and instrumental examination to clarify the clinical diagnosis;

correctly interpret the results of laboratory tests of blood, urine and other biological media, as well as data from instrumental examination methods (X-ray, ultrasound, endoscopic, CT, MRI, etc.);

carry out differential diagnostics of surgical diseases and formulate a clinical diagnosis;

determine the severity of the patient's condition, probable prognosis and treatment tactics;

prescribe and justify etiotropic, pathogenetic therapy;

competently and correctly draw up basic medical documentation in the conditions of the admission department, surgical hospital (under the supervision of a surgeon);

substantiate the tactics of treating patients with acute surgical pathology with the definition of indications for emergency surgery, emergency surgery and planned surgery;

organize and provide first aid for bleeding, burns and frostbite, electrical injury, fractures, dislocations, wounds, burns of the esophagus, with uncomplicated chest injuries, etc.;

draw up observation diaries, discharge summary of surgical patients;

draw up protocols for the transfusion of erythrocyte mass, plasma, plasma-substituting solutions;

assist in puncture and drainage of the pleural and abdominal cavities, laparocentesis and diagnostic laparoscopy, joint puncture and Blackmore probe placement.

master:

general clinical techniques and methods of examining a surgical patient; methods of primary surgical treatment of wounds;
 technique of applying and removing skin sutures;
 rules for dressing clean and purulent wounds;
 principles of local anesthesia according to A.V. Vishnevsky;
 technique of closed heart massage and artificial respiration;
 rules for opening abscesses and phlegmon of soft tissues, panaritium, treatment of bedsores;
 technique of setting a gastric tube and gastric lavage;
 methods of catheterization of the bladder and the rules for caring for the catheter;
 rules of digital examination of the rectum and its examination with the help of a rectal mirror, reduction of prolapsed hemorrhoids and rectum;
 rules for the care of tampons and drainages of the abdominal cavity, soft tissues and equipment, and the timing of their removal;
 technique of setting various enemas (siphon, cleansing, therapeutic, etc.);
 rules for applying an occlusive dressing in case of open pneumothorax;
 peripheral vein puncture technique and venosection performance;
 methods of assistance in emergency and planned operations;
 rules for applying skeletal traction in fractures, reduction of dislocations and reposition of bone fractures;
 Technique of applying plaster bandages.

A differentiated credit for a section is accepted if the student has a practice diary, a written report on the implementation of the practice program, a written review of the student's practice (other materials provided for by the internship program, if necessary).

CONTENT OF PRACTICE

During the work experience practice students perform certain labor functions stipulated by the job responsibilities of an employee's corresponding position qualification characteristics indicated in the *Unified Qualification Directory of the Employee's Position*.

During the period of work experience practice students may be involved in providing medical care to patients under the supervision of medical professionals responsible for their training.

Students with secondary specialized medical education, working in public health institutions in the positions of secondary medical providers may undergo practical training at their place of employment, in case they follow the conditions specified in Paragraph 2 (Item 2.2) of the Resolution of the Ministry of Health of the Republic of Belarus, dated September 20, 2012 №143 "On Involving Students in Providing Medical Care and Activities Related to the Circulation of Medicines".

During the practice period the students have to follow the legislation on labor

protection, the rules of the internal labor regulations of the practice base; the labor legislation also applies to students employed for vacant positions during the period of practice.

Students undergo in the work experience practical training in surgery in the departments of the surgical hospital (surgical, urological, neurosurgical, traumatological, vascular, purulent surgery, etc.) or in outpatient organizations.

Students doing practice in district hospitals can participate together with a surgeon at an appointment at a polyclinic, provide assistance to patients at home and in an ambulance.

During the practice, students, together with medical specialists, carry out activities related to the implementation of surgical interventions. They receive information about the patient's disease, apply objective methods of examining the patient, identify general and specific signs of a surgical disease, including in cases requiring emergency (emergency) care or intensive care. They learn to assess the severity of the patient's condition, take the necessary measures to remove him from this condition. They provide emergency (urgent) and planned surgical and other medical care related to surgical pathology. Learn to determine the need for special research methods. Study indications for hospitalization. They carry out differential diagnostics of surgical diseases, justify the clinical diagnosis, scheme, plan and tactics of treating patients, indications and contraindications for surgery. They develop a plan for preparing the patient for emergency or planned surgical intervention, determine the degree of homeostasis disorders, prepare all the functional systems of the patient's body for surgery. Surgical interventions are performed in the scope indicated by the surgeon (head of practice). Substantiate methods of anesthesia and perform local anesthesia in the presence of a surgeon. They develop a scheme for postoperative treatment of the patient, the prevention of postoperative complications and draw up the appointments necessary for postoperative treatment. Assign and implement the necessary rehabilitation measures. Determine the need and timing of the temporary release of the patient from work (service, study) in connection with the disease (injury); the need for and terms of temporary release of a person caring for a sick family member (child) from work (service, study) in accordance with the law. Carry out health education. Comply with the principles of medical ethics and deontology. Maintain the necessary accounting and reporting documentation in the prescribed manner.

The practical activity of students consists of daily work in departments and 3 evening shifts.

FORMS OF PRACTICE

The work experience practice on Surgical diseases is carried out in the following forms:

- undergoing orientation sessions on labor protection according to the legislation;
- compliance with the requirements of safe occupational activity at the workplace;
- compliance with the practice base internal labor regulations;
- compliance with the rules and norms of medical ethics and deontology;
- fulfilling the orders of the Head of the practice base and the Head of the practice of the educational institution;

registration and submission of the required documents on the implementation of the practice program to the Head of the Department of the medical university, stipulated by the work experience program;

studying the practice base documents defined by the practice program;

participation in the provision of medical care to patients;

attending meetings, educational and methodological events held at the practice base;

conducting sanitary and educational activity;

curation of 8 - 10 patients with the mandatory independent performance of nursing manipulations, simple surgical operations, blockades and anesthesia with the help and under the supervision of a surgical doctor (head of practice from the organization);

participation in operations and anesthetics in the amount indicated by the surgical doctor (head of practice from the organization);

participation in the opening of soft tissue abscesses in the amount indicated by the surgical doctor (head of practice from the organization);

performing an objective examination of the patient;

interpretation of the results of laboratory and instrumental diagnostic methods;

performance under the supervision of a surgical doctor (head of practice from the organization) of medical manipulations;

participation in rounds in the assigned ward,

filling out medical records for newly admitted patients;

drawing up a plan for examining the patient, coordinating and prescribing treatment;

filling in observation diaries and epicrises of supervised patients;

sick leave registration;

writing out medicines in prescriptions;

maintaining in the prescribed manner the necessary accounting and reporting documentation;

participation in pathoanatomical autopsies (if there is a pathoanatomical service at the clinical base), filling out a death certificate;

participation in providing assistance to patients in the admissions department and the surgical room of the polyclinic (for students undergoing practice in small district hospitals under the supervision of a surgeon);

travel to a rural medical site and/or visiting surgical patients at home (for students doing practice in district hospitals, together with a surgeon).

INFORMATION AND METHODOLOGICAL PART CALENDAR AND THEMATIC PLAN

| List of performed activities | Number of hours | |
|---|-----------------|------------------|
| | In-class | Independent work |
| Work in surgical departments Curation of 8-10 patients. Preparation of medical documentation. | 15 | 44 |
| Participation in morning conferences | 6 | 0 |
| Examination of surgical patients in the intensive care unit. | 6 | 0 |
| Work in the operating room. | 6 | 0 |
| Work in the treatment room | 6 | 0 |
| Work in dressing rooms, including in the septic surgery department. | 6 | 0 |
| Work in the endoscopy room | 6 | 0 |
| Work in ultrasound rooms | 6 | 0 |
| Work in the CT room | 6 | 0 |
| Work in the MRI room | 6 | 0 |
| Work in the x-ray room | 6 | 0 |
| Work in the admissions department | 6 | 0 |
| Participation in the work of the CWC | 6 | 0 |
| Work in operating rooms for angiography, during vascular stenting. | 6 | 0 |
| Emergency surgery evening shift | 15 | 0 |
| Carrying out sanitary and educational work | 0 | 10 |
| Total: | 108 | 54 |

LIST OF PRACTICAL SKILLS TO BE ACQUIRED DURING PRACTICE¹

Levels of mastering practical skills (may be extended):

1 – get theoretical knowledge, be professionally oriented, know the indications for a procedure;

2 – know theory, assess and assist in the medical personnel activity;

3 – know theory, act independently.

Several levels can be assigned to practical skill (for example: 1, 2, 3, or 1, 2). If there are no facilities (opportunities) at the healthcare institution to master the skill at levels 2, 3, the student is required to master practical skills at level 1.

| № | Practical skills | Recommended | |
|-----|---|-------------|-------|
| | | Number | Level |
| 1. | Daily supervision of patients | 4-6 | 3 |
| 2. | Receptionist duty | 3 | 3 |
| 3. | Examination and registration of a medical history for an emergency patient | 15 | 3 |
| 4. | Making a medical history for a planned patient | 10 | 3 |
| 5. | Registration of observation diaries for an emergency patient | 10 | 3 |
| 6. | Record keeping of a planned patient | 15 | 3 |
| 7. | Registration of the protocol for transfusion of erythrocyte mass | 3 | |
| 8. | Plasma transfusion protocol | 3 | 3 |
| 9. | Drafting a discharge summary | 10 | 3 |
| 10. | Registration of discharge documents for cancer patients | 5 | 3 |
| 11. | Registration of the protocol of surgical intervention | 5 | 3 |
| 12. | Preparation of indications for surgical intervention | 3 | 3 |
| 13. | Primary surgical treatment of wounds | 10 | 3 |
| 14. | Opening of abscesses and phlegmon of soft tissues | 5 | 2-3 |
| 15. | Opening panaritium | 3 | 2-3 |
| 16. | Local anesthesia | 10 | 3 |
| 17. | Dressing of clean wounds and removal of sutures | 25 | 3 |
| 18. | Removal of drains | 6 | 3 |
| 19. | Bandaging of purulent wounds | 25 | 3 |
| 20. | Dressing of bedsores | 5 | 3 |
| 21. | Determination of the blood group | 20 | 3 |
| 22. | RBC transfusion | 3 | 2 |
| 23. | Transfusion of plasma and other blood products | 5 | 3 |
| 24. | Vein punctures, catheterization of peripheral superficial veins, venesection | 15 | 3 |
| 25. | Puncture of joints and joint capsules, administration of medicinal substances. | 5 | 1-2 |
| 26. | Insertion of a gastric tube and gastric lavage | 5 | 3 |
| 27. | Performing a siphon enema | 3 | 2-3 |
| 28. | Setting up the Blackmore probe | 2 | 1-2 |
| 29. | Performing a pleural puncture | 5 | 1-2 |
| 30. | Drainage of the pleural cavity | 2 | 1-2 |
| 31. | Abdominal puncture for ascites | 3 | 1-2 |
| 32. | Participation in laparocentesis and diagnostic laparoscopy | 3 | 2 |
| 33. | Bladder catheterization | 5 | 3 |
| 34. | Digital examination of the rectum, examination of the rectum with a rectal speculum | 5 | 3 |
| 35. | Reposition of the rectum. | 3 | 1 |
| 36. | Participation as the 1st assistant in emergency and planned operations | 5 | 2 |

| | | | |
|-----|---|----|-----|
| 37. | Participation as a 2nd assistant in emergency and elective operations | 10 | 2 |
| 38. | Imposition of skeletal traction in fractures | 2 | 1-2 |
| 39. | Reduction of dislocations | 2 | 1-2 |
| 40. | Reposition of bone fractures | 2 | 1-2 |
| 41. | Applying plaster casts | 3 | 3 |
| 42. | Participation in the examination of patients in the X-ray room | 3 | 2 |
| 43. | Participation in the examination of patients in endoscopy | 3 | 2 |
| 44. | Participation in performing computed tomography, magnetic nuclear tomography and ultrasound | 5 | 2 |
| 45. | Familiarization with the work of a laboratory doctor (laboratory work) | 3 | 2 |

SAMPLE LIST OF PRACTICAL SKILLS TO BE MASTERED USING SIMULATION LEARNING TECHNOLOGIES

1. Performing the opening of abscesses and phlegmon.
2. Thoracentesis.
3. Performing drainage of the pleural cavity.
4. Performing drug blockades.
5. Carrying out a puncture of the joint.
6. Carrying out a puncture of the abdominal cavity.
7. Rectal digital examination.
8. Instrumental dressing of the wound, removal of sutures from the wound.
9. Basic laparoscopic skills.
10. Skin suture.
11. Inspection and palpation of the mammary glands.
12. Bandaging and splints application.
13. Preparation and processing of the surgical field.
14. Setting up and removing drains and tampons from cavities and wounds.

LIST OF OSCE EXAMINATION STATIONS PASSRPTS (SAMPLE) APPLIED FOR STUDENTS ASSESSMENT

1. Passport of the examination station «Skin suture» of the objective structured clinical examination (OSCE) in the academic discipline «Surgical Diseases», «Pediatric Surgery» for the specialties «General Medicine», «Pediatrics».
2. Passport of the examination station «Puncture of the pleural cavity» of the objective structured clinical examination (OSCE) in the academic discipline «Surgical Diseases» for the specialty «General Medicine».
3. Passport of the examination station «Basic Endosurgical Skills» of the objective structured clinical examination (OSCE) in the academic discipline «Surgical Diseases» for the specialty «General Medicine».

4. Passport of the examination station «Digital rectal examination of the prostate gland» of the objective structured clinical examination (OSCE) in the academic discipline «Surgical Diseases» for the specialty «General Medicine».

5. Passport of the examination station «Technique of fixing the ankle joint with a posterior plaster splint» of an objective structured clinical examination (OSCE) in the academic discipline «Surgical diseases» for the specialty «General Medicine».

6. Passport of the examination station «Technique of fixation of the wrist joint with a dorsal plaster splint» of an objective structured clinical examination (OSCE) in the academic discipline «Surgical diseases» for the specialty «General Medicine».

7. Passport of the examination station «Physical examination of a patient with tumor processes in the mammary glands» of an objective structured clinical examination (OSCE) in the academic discipline «Surgical Diseases», «Obstetrics and Gynecology» for the specialty «General Medicine».

8. Passport of the examination station «Technique of transport immobilization of a fracture of the femoral shaft in the lower third» of an objective structured clinical examination (OSCE) in the academic discipline «Surgical diseases» for the specialty «General Medicine».

THEMES AND FORMS OF THE SANITARY AND EDUCATIONAL WORK

1. Pancreatitis is a medical and social problem.
2. Actual problems of surgery (peptic ulcer, cholelithiasis, acute and chronic pancreatitis, hernia of the abdominal wall, varicose veins, diabetic foot, etc.).
3. The importance of early activation of patients in the postoperative period.
4. A healthy lifestyle.
5. Food hygiene.
6. Rational nutrition in diabetes.
7. The effect of smoking on the occurrence and complicated course of obliterating diseases of the vessels of the lower extremities, diseases of the chest, etc.
8. The role of alcohol in the occurrence of domestic and industrial injuries.
9. Alcohol and diseases of the gastrointestinal tract.
10. A healthy lifestyle is the key to general somatic health.

REGULATORY LEGAL ACTS

1. Санитарно-эпидемиологические требования к организациям, оказывающим медицинскую помощь, в том числе к организации и проведению санитарно-противоэпидемических мероприятий по профилактике инфекционных заболеваний в этих организациях : постановление Министерства здравоохранения Республики Беларусь от 05.07.2017 № 73.

2. Требования к организации и проведению санитарно-противоэпидемических мероприятий, направленных на предупреждение возникновения и распространения вирусных гепатитов: постановление Министерства здравоохранения Республики Беларусь от 06.02.2013 № 11.

3. Гигиеническая и хирургическая антисептика кожи рук медицинского персонала: инструкция Министерства здравоохранения Республики Беларусь от 05.09.2001 № 113-0801.

4. Клинический протокол «Диагностика и лечение пациентов (взрослое население) с прободной язвой желудка, прободной язвой двенадцатиперстной кишки при оказании медицинской помощи в стационарных условиях» (утвержден постановлением Министерства здравоохранения Республики Беларусь от 01.06.2017 № 46)

5. Клинический протокол диагностики и лечения пациентов с хирургической инфекцией кожи и мягких тканей в амбулаторных условиях (утвержден приказом Министра здравоохранения Республики Беларусь от 28.06.2013 № 749).

6. Клинические протоколы диагностики и лечения взрослого населения с общехирургическими болезнями (утверждены приказом Министра здравоохранения Республики Беларусь от 12.02.2007 № 82)

7. Клинический протокол «Диагностика и лечение пациентов (взрослое население) с острым аппендицитом при оказании медицинской помощи в стационарных условиях» (утвержден постановлением Министерства здравоохранения Республики Беларусь от 01.06.2017 № 46)

8. Клинический протокол «Диагностика и лечение пациентов (взрослое население) с острыми гастродуоденальными кровотечениями при оказании медицинской помощи в стационарных условиях» (утвержден постановлением Министерства здравоохранения Республики Беларусь от 01.06.2017 № 46)

9. Клинический протокол «Диагностика и лечение пациентов (взрослое население) с острой кишечной непроходимостью при оказании медицинской помощи в стационарных условиях» (утвержден постановлением Министерства здравоохранения Республики Беларусь от 01.06.2017 № 46)

10. Клинический протокол «Диагностика и лечение пациентов (взрослое население) с острым панкреатитом при оказании медицинской помощи в стационарных условиях» (утвержден постановлением Министерства здравоохранения Республики Беларусь от 01.06.2017 № 46)

11. Клинический протокол «Диагностика и лечение пациентов (взрослое население) с прободной язвой желудка, прободной язвой двенадцатиперстной кишки при оказании медицинской помощи в стационарных условиях» (утвержден постановлением Министерства здравоохранения Республики Беларусь от 01.06.2017 № 46)

12. Клинический протокол «Диагностика и лечение пациентов (взрослое население) с ущемленными грыжами при оказании медицинской помощи в стационарных условиях» (утвержден постановлением Министерства здравоохранения Республики Беларусь от 01.06.2017 № 46)

13. Клинический протокол «Диагностика и лечение пациентов (взрослое население) с острым холециститом при оказании медицинской помощи в стационарных условиях» (утвержден постановлением Министерства здравоохранения Республики Беларусь от 01.06.2017 № 46)

QUESTIONS TO PREPARE FOR THE GRADED CREDIT

1. Classification, clinical manifestations and diagnosis of acute appendicitis.
2. Clinical and laboratory syndromes, specific symptoms in acute appendicitis.
3. Classification, clinical manifestations and diagnosis of acute cholecystitis.
4. Clinical and laboratory syndromes, specific symptoms in acute cholecystitis.
5. Diagnostic and treatment algorithm for acute cholecystitis.
6. Classification, clinical manifestations and diagnosis of acute pancreatitis.
7. Clinical and laboratory syndromes, specific symptoms in acute pancreatitis.
8. Determination of acute pancreatitis severity.
9. Etiopathogenetic treatment of acute necrotising pancreatitis, indications for surgery.
10. Special methods of investigation (ultrasound, CT, endoscopic, etc.), specific findings and complications in necrotizing pancreatitis.
11. Management of patients with acute calculous cholecystitis, indications for emergency surgery, postponed and elective surgery.
12. Management of patients with acute destructive pancreatitis, indications for emergency surgery, postponed and elective surgery.
13. Classification, clinical manifestations and diagnosis of intestinal obstruction.
14. Clinical and laboratory syndromes, specific symptoms of intestinal obstruction.
15. Describe the indications and technique of the diagnostic-and-treatment complex for acute intestinal obstruction.
16. Radiological and specific clinical symptoms of intestinal obstruction.
17. Management (algorithm of examination and treatment) of intestinal obstruction.
18. The basic principles of preoperative preparation and postoperative care in patients with intestinal obstruction.
19. Classification, clinical manifestations and diagnosis of duodenal and gastric ulcer perforation.
20. 20. Sealed perforation of gastric and duodenal ulcer. Features of the disease course and diagnosis.
21. Features of clinical picture and diagnosis of duodenal and gastric ulcer perforation according to the stage of peritonitis.
22. 22. Clinical and laboratory syndromes, specific symptoms of duodenal and gastric ulcer perforation.
23. Management (algorithm of examination and treatment) of patients with duodenal and gastric ulcer perforation.
24. Basic principles of preoperative preparation and postoperative care in patients with duodenal and gastric ulcer perforation.
25. Complications of abdominal hernia. Local signs of hernia strangulation.
26. Clinical picture and diagnosis of strangulated abdominal hernia.
27. Basic principles and stages of operations for non-complicated and strangulated hernia.
28. Criteria for assessing the viability of the strangulated intestinal loop and

measures for its «revitalization».

29. Strangulated abdominal hernia. Types of the elastic compression.
30. False incarceration of hernia, false reduction, spontaneous reduction of strangulated hernia. Surgical tactics in these conditions.
31. Hemorrhagic shock, stages and scheme of medical help.
32. Traumatic shock, stages and scheme of medical help.
33. The stages of medical help and features of examination of the patients with multi-trauma.
34. The sequence of medical help in mass admission of patients to the admission department.
35. Principles of deontology: keeping the medical confidentiality, rules of relationships with medical staff, the patient and his relatives.
36. Features of clinical course of acute appendicitis in elderly, pregnant women and children.
37. Complications of acute appendicitis before and during surgery. Clinical manifestations, diagnosis, treatment.
38. Postoperative complications of acute appendicitis. Clinical manifestations, diagnosis, treatment.
39. Appendiceal mass. Etiology and pathogenesis, clinical manifestations, diagnosis, treatment.
40. Functional intestinal obstruction. Etiology and pathogenesis, clinical manifestations, diagnosis, treatment.
41. Intraoperative bile ducts exploration.
42. Complications of the gallstone disease. Clinical manifestations, diagnosis, treatment.
43. Mechanical intestinal obstruction. Features of clinical manifestations, diagnosis, and treatment.
44. Functional intestinal obstruction. Etiology and pathogenesis, clinical manifestations, diagnosis, treatment.
45. The choice of surgical procedure for perforated gastric and duodenal ulcer.
46. Peritonitis. Etiology and pathogenesis, classification, clinical manifestations, diagnosis.
47. Modern principles of treatment of peritonitis.
48. Modern principles of detoxification therapy for peritonitis.
49. Complex treatment of peritonitis.
50. Diagnostic algorithm for cholestasis.
51. Rules of primary surgical treatment of wounds.
52. Technique of applying and removing sutures.
53. Rules of dressing clean and purulent wounds.
54. Principles of local anesthesia
55. Technique of close heart massage and artificial lung ventilation.
56. Types of anesthesia and rules of drainage for whitlow.
57. Rules of treatment of pressure ulcers (necrosis).
58. Techniques of urinary bladder catheterization and rules of care for the catheter.

59. Indications and technique of gastric probe insertion and lavage.
60. Rules of soft tissue abscess and phlegmon drainage.
61. Rules of digital rectal examination.
62. Rules of rectum, examination with rectal retractors.
63. Rules of relapsed rectum reduction.
64. Indications and technique of siphon enema.
65. Indications for peritoneal cavity drainage and rules of care for the drainage tubes. Terms of tube removal.
66. 66. Indications for peritoneal cavity pads packing and rules of care for them. Terms of removal.
67. First aid for frostbites.
68. Indications and technique of cleansing enema.
69. Indications, rules, and technique of plaster cast, applying.
70. The main duties of 2nd assistant in urgent and emergent surgery.
71. Indications and technique of pleural puncture.
72. Rules of filling in protocols for red blood cells transfusions.
73. Rules of filling in protocols for fresh frozen plasma transfusions.
74. Rules of filling in protocols for plasma extender transfusions.
75. Rules of occlusive dressing applying for open pneumothorax.
76. Indications and technique of venesection and puncture of arteries.
77. Technique of laparocentesis for ascites.
78. First aid for esophageal burns.
79. Indications and technique of Sengstaken-Blakemore balloon tamponade.
80. First aid for soft tissue burns.
81. Stages of treatment for extremity joints dislocations.
82. Rules of bone fractures reposition.
83. Rules of tourniquet applying for bleeding arrest.
84. General clinical techniques and methods of surgical patient investigation.
85. Indications and techniques of joint puncture.
86. Rules of immobilization for transportation in trauma of extremities.
87. Methods of treatment of extremity fractures.
88. Rules of immobilization for transportation in vertebral and pelvic trauma.
89. Rules of immobilization for transportation in hip fracture.
90. Features of filling in epicrisis of surgical patients.
91. Detection of blood group according to ABO system.
92. Methods of arterial bleeding control.
93. Rules of blood individual compatibility test of donor and recipient.
94. Rules of blood Rh compatibility test of donor and recipient.
95. Technique of blood biological compatibility test of donor and recipient.
96. Indications for RBC transfusion.
97. Side effects in RBC transfusion.
98. Indications and technique of fresh frozen plasma transfusion.
99. Visual assessment of preparedness to transfusion of red blood cells pack.
100. Duties of a physician, who performs transfusion of RBC and other blood components.

REQUIREMENTS FOR THE CONTENT OF REPORTING DOCUMENTS

During work experience practice the student accomplishes the practice program under the supervision of the head of the practice from the organization and reflects the progress of the work experience practice in the diary according to Appendix 5.

The title page of the diary is signed by the head of the practice of the educational institution, the head of the practice of the medical university department.

The diary is a document reflecting the implementation of the practice program. In the diary, the student indicates the acquired practical skills on a daily basis.

The diary is signed daily by the head of the practice of the educational institution and the student. Corrections, additions after the approval of the records by the head of the institution practice are not allowed.

During the last week of the practice, the student prepares a written report on the implementation of the work experience practice program. In the report the student indicates the acquired practical skills, their number and level of mastering according to Appendix 6.

The report must be signed by the student, the head of the practice of the educational institution, approved by the Head (Deputy Head) of the practice base and stamped.

At the end of the work experience practice, the head of the practice of the educational institution draws up a written review of the student's progress according to Appendix 9.

The written review of the student's work experience practice is signed by the head of the practice of the educational institution.

The review reflects:

professional qualities of the student-intern, his ability to acquire professional and practical skills;

presence and development of the required personal qualities (communicative, moral, professional);

compliance with occupational discipline, labor protection requirements, sanitary norms and rules;

general assessment of the accomplishment of work experience practice program and the achieved level of practical training;

relationships with the team members, knowledge and compliance with the norms of medical ethics and deontology.

By the end of the work experience practice, the student submits the accounting documents and other papers required by the practice program to the head of the practice of the medical university department.

The diary and the student's accounting documents are executed on A4 paper using the MS Word application.

The accounting documents are kept at the medical university in accordance with the procedure determined by the legislation in the field of archive and record keeping.

PRACTICAL MEDICAL CLINICAL TRAINING SECTION «PUBLIC HEALTH AND HEALTH CARE»

The purpose of practical medical clinical training «Public Health and Health Care» is to develop students' academic, social, personal and professional competencies necessary to consolidate knowledge about public health, its determining factors, and acquire skills for providing medical care to the population.

The tasks of practical medical clinical training of students in public health and healthcare are:

- consolidation, broadening and systematization of knowledge gained during «Public Health and Health Care» academic course studying;

- consolidation, broadening and systematization of knowledge in the field of medical care quality management;

- consolidation of information technology application skills in healthcare management;

- application of economic analysis methods in healthcare;

- getting experience in public, organizational and educational work in the healthcare system.

Practical medical clinical training in public health and healthcare is carried out in hospitals and outpatient polyclinics (further - base of practice) during medical clinical practice on therapy, obstetrics and gynecology, surgery.

The head of the practice basis provides general guidance and organization of practice for the students at the base of practice.

Direct supervision over the students' practice is carried out by an employee of the base of practice.

General and direct management of the students' practical training process is performed by the supervisors from the university departments:

- 1st internal diseases;

- 2nd internal diseases;

- cardiology and internal diseases;

- obstetrics and gynecology;

- surgery and transplantology;

- surgical diseases;

- public health and healthcare.

The General Medicine faculty provides scientific and methodical management over the practice of students of the medical university.

As a result of the educational medical clinical practice in public health and healthcare **a student should**

know:

- normative legal acts regulating healthcare activities;

- principles of professional activity of the chosen specialty;

- issues concerning provision of medical care to the population;

- principles and methods of routine and emergency (urgent) medical care;

- basics for using modern technical means of communications and computer technology;

fundamentals of labour legislation;
 regulations and standards of labour and fire safety;
 rules for patients' admission to hospital, for organizing their treatment and diagnosis process and for patients' discharge from hospital;
 normative legal acts regulating issues of expert examination of temporary incapacity, medical and social examination and medical rehabilitation;
 the latest methods of treatment, diagnosis and medicines provision to the population within the scope of the specialization;
 orders, instructions regulating the epidemic regime in healthcare organizations;
 the statistical method used to study the activities of a hospital structural unit;
 medical ethics and deontology;
 registration rules for the medical records and reports in the hospital;
 model of final results as a method of evaluation in the quality management system of medical care.

be able to:

calculate the performance indicators of a hospital organization, structural unit;
 to carry out an analysis of the achieved indicators during the reporting period of the hospital's activity (outpatient polyclinic organizations), structural units;
 develop management decisions;
 make proposals for improving the activities of the healthcare organization and improving the quality of medical care provision to the population;

acquire:

organizational skills to provide medical care to the population;
 skills of medical records arrangement.

A graded credit for the section is accepted if a student completes an individual assignment arranged in accordance with the requirements, a written report about the results of the practical training program, a written review of the student's practice (other materials provided for by the internship program, if necessary).

The listed documents are submitted to the Department of Public Health and Healthcare within a strictly defined term:

for the students undergoing practical medical clinical training in healthcare institutions of the Health Committee of the Minsk City Executive Committee and in the Republican Scientific and Practical Centers – on the last day of practice;

for the students undergoing medical clinical practice in healthcare institutions of the General health directorates of the regional executive committees – within the first three working days of the next semester (September).

The direct management of practical medical clinical training in the section of «Public health and healthcare» in a healthcare organization is carried out by the Deputy Chief Physician (Head of the Department), appointed by the order of the Head of the organization.

THE CONTENT OF THE PRACTICAL TRAINING

During practical medical clinical training, students are to perform individual working tasks assigned by the job description of the corresponding post of a doctor-specialist at the hospital (out-patient polyclinic organization) without qualifying category.

Within the section the student studies:

- normative legal acts regulating the operation of hospitals and their structural subdivisions, depending on the type of medical assistance;
- professional duties of a corresponding doctor;
- organization of the treatment and diagnostic process;
- organization of curative, epidemiological and sanitary regimes;
- the procedure for providing patients with medicines;
- organization of a food supply to patients;
- organization of temporary disability examination in hospital settings;
- the necessary accounting-recording documents;
- consolidates practical skills at collection, statistical processing of information, calculation of indicators of hospital operation (structural subdivision);
- participates in the organization of the treatment process of a supervised patient;
- analyzes the operation of the hospital organization (its structural unit) on the basis of indicators obtained in two years (report one and one of the preceding).

A student learns to systematize and statistically process accounting data. Calculates key performance indicators, maintains records and reports. Prepares reports (other documents) based on data of accounting and analysis.

FORMS OF PRACTICAL TRAINING

Practical medical clinical training is carried out in the form of the implementation of an individual assignment for the collection, processing of statistical material and analysis of the obtained data with a following description of the research results.

INFORMATION AND METHODOLOGICAL PART

LIST OF PRACTICAL SKILLS TO BE ACQUIRED DURING PRACTICE AND THE LEVELS OF THEIR MASTERING

Levels of practical skills mastering:

1 – to have theoretical knowledge and be able to professionally perform research work on collecting statistical material, using data from annual state and departmental statistical reports, medical records, information received from the practical training supervisor in a healthcare organization;

2 – to have theoretical knowledge about the methods of statistical processing of the material obtained during the research work and be able to perform it (calculation of the operational indicators of the organization (a structural unit), making tables, diagrams, graphical representation of the obtained data);

3 – to have theoretical knowledge about the methodology and be able to independently perform analysis the obtained statistical data.

A practical skill can be estimated at different levels (for example: 1, 2, 3 or 1, 2).

| № | Practical skills | Recommended | |
|------|--|-------------|--------------------|
| | | Number | Level of mastering |
| 1. | Characteristics of the hospital (out-patient polyclinic) operation, its structural units, the organization of medical care provision to the patients | 1 | 1,2,3 |
| 2. | Calculation of indicators characterizing the staff of the hospital / department | 4 | 1,2,3 |
| 2.1. | staffing rate | 2 | 1,2,3 |
| 2.2. | the staff's workload indicators | 2 | 1,2,3 |
| 3. | Calculation of indicators characterizing the use of hospital beds | 6 | 1,2,3 |
| 3.1 | the average annual bed occupancy (days) | 2 | 1,2,3 |
| 3.2. | the average duration of the patient's stay (days) | 2 | 1,2,3 |
| 3.3. | the turnover of the bed | 2 | 1,2,3 |
| 4. | Calculation of indicators characterizing the quality of inpatient medical care | 8 | 1,2,3 |
| 4.1. | patients structure by disease classes (for a hospital), according to the main nosological forms of diseases (for the department) | 2 | 1,2,3 |
| 4.2. | treatment outcome rate (improved, unchanged, aggravated) | 2 | 1,2,3 |
| 4.3. | hospital lethality | 2 | 1,2,3 |
| 4.4 | the percentage of coincidence in clinical and pathological diagnoses | 2 | 1,2,3 |
| 5. | Calculation of indicators characterizing the quality of surgical work | 6 | 1,2,3 |
| 5.1 | the surgical activity | 2 | 1,2,3 |
| 5.2. | surgical operations structure | 2 | 1,2,3 |
| 5.3 | the frequency of postoperative complications | 2 | 1,2,3 |
| 6 | Statistical analysis of the obtained results | 2 | 1,2,3 |
| 7 | Data representation in tables | 2 | 1,2,3 |
| 8 | Data representation in graphics | 2 | 1,2,3 |

LIST OF PRACTICAL SKILLS, DESIGNED FOR MASTERING WITH THE USE OF SIMULATION LEARNING TECHNOLOGIES

1. Analysis of the activities of a hospital organization based on the Model of Final Results.

LIST OF PASSPORTS OF THE OBJECTIVE STRUCTURED CLINICAL EXAMINATION STATIONS USED FOR THE CERTIFICATION OF STUDENTS

1. Passport of the examination station «Model of Final Results of the hospital organization» of the objective structured clinical examination in the academic discipline «Public health and healthcare».

THEMES AND FORMS OF SANITARY AND EDUCATIONAL WORK

During the course of practical medical clinical training «Public Health and Health Care» the student must prepare Flyer Images, Leaflet or Booklet on the following topics:

1. Simple steps towards the health.
2. The role of specific prevention in maintaining the health of population.
3. Rules of healthy nutrition.
4. Methods for increasing immunity.
5. Obesity is a risk factor for the development of diseases.
6. Prevention of adult injuries.
7. Computer and health.
8. Smoking and health.
9. Influence of alcohol on health.
10. Drugs: myths and reality.
11. Prevention of HIV infection.
12. Prevention of coronavirus infection.

REGULATORY LEGAL ACTS

1. О здравоохранении : Закон Республики Беларусь от 18.06.1993 № 2435 – XII: с изм. и доп.

2. О санитарно-эпидемиологическом благополучии населения : Закон Республики Беларусь от 07.01.2012 №340-З (в ред. закона от 30.06.2016).

3. Об утверждении номенклатуры организаций здравоохранения» : постановление Министерства здравоохранения Республики Беларусь от 28.09.2005 № 35.

4. Об утверждении Инструкции о порядке выдачи и оформления листков нетрудоспособности и справок о временной нетрудоспособности» (в ред. постановлений от 09.04.2020 № 33/33, от 30.04.2020 № 45/41, от 07.05.2021 № 47/33) : постановление Министерства здравоохранения Республики Беларусь и Министерства труда и социальной защиты Республики Беларусь от 04.01.2018 № 1/1.

5. Правила медицинской этики и деонтологии : постановление Министерства здравоохранения Республики Беларусь от 07.08.2018 №64.

6. Об утверждении форм первичной медицинской документации в организациях здравоохранения, оказывающих стационарную медицинскую помощь : приказ Министерства здравоохранения Республики Беларусь от 01.10 2007 № 792.

7. Об установлении модели конечных результатов деятельности здравоохранения : приказ Министерства здравоохранения Республики Беларусь от 04.08.2022 № 1028.

SAMPLE QUESTIONS FOR THE GRADED CREDIT

1. General characteristics of inpatient care.
2. Nomenclature of hospital organizations.
3. Technological levels of the organization of medical care.
4. The structure of the city hospital.
5. Organization of the work of the hospital.
6. The main tasks of the hospital.
7. The order of hospitalization of patients in a hospital, the organization of the work of the admission department.
8. Organization of the work of specialized departments.
9. Therapeutic and protective regime, its main elements.
10. Prevention of nosocomial infection.
11. Implementation of continuity in the observation of patients between the hospital and the clinic, other healthcare organizations.
12. Hospital-replacing forms of medical care.
13. Office of medical statistics, tasks.
14. Accounting medical documentation of a hospital organization.
15. State reports on the activities of the hospital, structure, compilation procedure.
16. Hospital performance indicators, calculation methodology, assessment, analysis.
17. Causes of temporary disability.
18. Documents certifying of temporary disability.
19. The procedure for issuing and registration sheets of temporary disability in inpatient conditions.
20. Performance indicators of health organizations used in the «Model of final results».
21. FRM Benchmarking Methodology.
22. Evaluation of the activities of healthcare organizations according to the «Model of final results».

REQUIREMENTS FOR THE CONTENT OF REPORTING DOCUMENTS

During the practical medical clinical training, the student, under the supervision of the head of practice from the healthcare organization, performs an individual task in accordance with Appendix 7, makes up a report on the implementation of the public health and healthcare practice program in accordance with Appendix 8.

An individual task contains descriptive and analytical sections on the activities of a hospital organization or its structural unit. In the report, the student notes the acquired practical skills, their number and Level of mastering.

An individual task and a report on the implementation of the practice program in the section "Public Health and Health" by the student are provided to the Department of Public Health and Health.

The student performs the preparation of reporting documentation on A4 paper using the MS Word application.

The title page of the completed individual task is signed by the head of practice of the healthcare organization.

The report is signed by the student and the head of practice from the healthcare organization.

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
 Educational Institution
BELARUSIAN STATE MEDICAL UNIVERSITY
 Practice base
THE NAME OF THE HEALTHCARE FACILITY

DIARY
 of passing clinical medical practice in **therapy**

Student

Speciality

Faculty

Year of education, group №

Terms of practice

The head of practice from the healthcare
 facility _____
(Name of healthcare facility)

_____ Full name
(Signature)

The head of practice from
 BSMU _____
(Name of department)

_____ Full name
(Signature)

Day 1. Date _____ Time _____

| List of practical skills | Number (per day) | Level of mastering |
|---|---------------------|-----------------------|
| Familiarization with the structure and organization of the practice base | | |
| Familiarization with the conditions of safe work, fire safety rules | | |
| Familiarization with the structure and organization of the department | | |
| 1. Examination of patients in the hospital | | |
| 2. Measurement of blood pressure, heart rate, pulse assessment | | |
| 3. Estimation of saturation | | |
| 4. Interpretation of the complete blood count (CBC) | | |
| 5. Interpretation of the general analysis of urine | | |
| 6. Interpretation of blood glucose | | |
| 7. Interpretation of a biochemical blood test | | |
| 8. Interpretation of the coagulogram | | |
| 9. Interpretation of pulmonary function test (PFT) | | |
| 10. Interpretation of a chest radiograph (CXR) | | |
| 11. Interpretation of radiographs of the joints | | |
| 12. ECG interpretation | | |
| 13. Participation in the ultrasound of the abdominal organs | | |
| 14. Participation in the echocardiography | | |
| 15. Participation in fibrobronchoscopy (FBS) | | |
| 16. Participation in fibroesophagogastroduodenoscopy (FGDS) | | |
| 17. Participation in fibrocolonoscopy (FCS) | | |
| 18. Participation in a stress test (VEP, treadmill test) | | |
| 19. Participation in X-ray examinations | | |
| 20. Participation in the pleural puncture | | |
| 21. Participation in establishing a patient's diagnosis | | |
| 22. Participation in prescribing medications to the patient depending on the established diagnosis | | |
| 23. Provision of emergency care to the patient (specify which one) | | |
| 24. Participation in resuscitation activities (specify which ones) | | |
| 25. Carrying out sanitary and educational work with the patient | | |
| 26. Registration of the initial examination in the patient's medical history | | |
| 27. Registration of diaries of examination of patients in the patient's medical history | | |
| 28. Making an epicrisis in the patient's medical history | | |
| Participation in rounds, consultations, clinical conferences | | |
| Extra work: | | |
| Only additional types of work performed by the student are listed, indicating the degree of participation: epicrisis, substantiation of the diagnosis, conducting health education conversations with patients, etc. | | |
| Epicrisis, substantiation of the diagnosis are made in writing in a neat, legible handwriting. Substantiation of the diagnosis are issued for 5 supervised patients indicating: preliminary diagnosis, study plan, patient complaints, medical history and life, objective examination, | | |

analysis and interpretation of the results of laboratory and instrumental studies, treatment (in Latin, signature, indicating the dose of drugs, mechanism of action, etc.).

Student _____ Full name
(Signature)

The head of practice from the healthcare
facility _____
(Name of healthcare facility)

_____ Full name
(Signature)

Doctor's stamp is required

Days 2-14. Date _____ Time _____

| List of practical skills | Number (per day) | Level of mastering |
|--|---------------------|-----------------------|
| 1. Examination of patients in the hospital | | |
| 2. Measurement of blood pressure, heart rate, pulse assessment | | |
| 3. Estimation of saturation | | |
| 4. Interpretation of the complete blood count (CBC) | | |
| 5. Interpretation of the general analysis of urine | | |
| 6. Interpretation of blood glucose | | |
| 7. Interpretation of a biochemical blood test | | |
| 8. Interpretation of the coagulogram | | |
| 9. Interpretation of pulmonary function test (PFT) | | |
| 10. Interpretation of a chest radiograph (CXR) | | |
| 11. Interpretation of radiographs of the joints | | |
| 12. ECG interpretation | | |
| 13. Participation in the ultrasound of the abdominal organs | | |
| 14. Participation in the echocardiography | | |
| 15. Participation in fibrobronchoscopy (FBS) | | |
| 16. Participation in fibroesophagogastrroduodenoscopy (FGDS) | | |
| 17. Participation in fibrocolonoscopy (FCS) | | |
| 18. Participation in a stress test (VEP, treadmill test) | | |
| 19. Participation in X-ray examinations | | |
| 20. Participation during pleural puncture | | |
| 21. Participation in establishing a patient's diagnosis | | |
| 22. Participation in prescribing medications to the patient depending on the established diagnosis | | |
| 23. Provision of emergency care to the patient (specify which one) | | |
| 24. Participation in resuscitation activities (specify which ones) | | |
| 25. Carrying out sanitary and educational work with the patient | | |
| 26. Registration of the initial examination in the patient's medical history | | |
| 27. Registration of diaries of examination of patients in the patient's medical history | | |
| 28. Making an epicrisis in the patient's medical history | | |
| 29. Participation in rounds, consultations, clinical conferences | | |
| 30. Presence at morning shifts | | |
| Extra work: | | |

Only additional types of work performed by the student are listed, indicating the degree of participation: epicrisis, substantiation of the diagnosis, conducting health education conversations with patients, etc.

Epicrisis, substantiation of the diagnosis are made in writing in a neat, legible handwriting. Substantiation of the diagnosis are issued for 5 supervised patients indicating: preliminary diagnosis, study plan, patient complaints, medical history and life, objective examination, analysis and interpretation of the results of laboratory and instrumental studies, treatment (in Latin, signature, indicating the dose of drugs, mechanism of action, etc.).

Student _____ Full name
(Signature)

The head of practice from the healthcare
facility _____
(Name of healthcare facility)

_____ Full name
(Signature)

Doctor's stamp is required

Day 15. Date _____ Time _____

| List of practical skills | Number (per day) | Level of mastering |
|--|---------------------|-----------------------|
| 1. Examination of patients in the hospital | | |
| 2. Measurement of blood pressure, heart rate, pulse assessment | | |
| 3. Estimation of saturation | | |
| 4. Interpretation of the complete blood count (CBC) | | |
| 5. Interpretation of the general analysis of urine | | |
| 6. Interpretation of blood glucose | | |
| 7. Interpretation of a biochemical blood test | | |
| 8. Interpretation of the coagulogram | | |
| 9. Interpretation of pulmonary function test (PFT) | | |
| 10. Interpretation of a chest radiograph (CXR) | | |
| 11. Interpretation of radiographs of the joints | | |
| 12. ECG interpretation | | |
| 13. Participation in the ultrasound of the abdominal organs | | |
| 14. Participation in the echocardiography | | |
| 15. Participation in fibrobronchoscopy (FBS) | | |
| 16. Participation in fibroesophagogastrroduodenoscopy (FGDS) | | |
| 17. Participation in fibrocolonoscopy (FCS) | | |
| 18. Participation in a stress test (VEP, treadmill test) | | |
| 19. Participation in X-ray examinations | | |
| 20. Participation during pleural puncture | | |
| 21. Participation in establishing a patient's diagnosis | | |
| 22. Participation in prescribing medications to the patient depending on the established diagnosis | | |
| 23. Provision of emergency care to the patient (specify which one) | | |
| 24. Participation in resuscitation activities (specify which ones) | | |
| 25. Carrying out sanitary and educational work with the patient | | |
| 26. Registration of the initial examination in the patient's medical history | | |
| 27. Registration of diaries of examination of patients in the patient's medical history | | |
| 28. Making an epicrisis in the patient's medical history | | |
| 29. Participation in rounds, consultations, clinical conferences | | |
| 30. Presence at morning shifts | | |
| Extra work: | | |
| | | |

Topics for health educational work

Students conduct at least 15 interviews with patients

[illegible]

Passing a differentiated credit for clinical practice in the form of an oral interview

Student _____ Full name _____
(Signature)

The head of practice from the healthcare facility _____
(Name of healthcare facility)

_____ Full name
(Signature)

Doctor's stamp is required

Day . Date _____ Time _____

| Diary of duty in the hospital department / in the emergency department. | | |
|---|---|---|
| List of practical skills | Number (per day) | Level of mastering |
| 1. Examination of patients in the hospital | | |
| 2. Measurement of blood pressure, heart rate, pulse assessment | | |
| 3. Estimation of saturation | | |
| 4. Interpretation of the complete blood count (CBC) | | |
| 5. Interpretation of the general analysis of urine | | |
| 6. Interpretation of blood glucose | | |
| 7. Interpretation of a biochemical blood test | | |
| 8. Interpretation of the coagulogram | | |
| 9. Interpretation of pulmonary function test (PFT) | | |
| 10. ECG interpretation | | |
| 11. Interpretation of a chest x-ray | | |
| 12. Participation in establishing a patient's diagnosis | | |
| 13. Participation in prescribing medications to the patient depending on the established diagnosis | | |
| 14. Providing emergency care to the patient | | |
| 15. Participation in resuscitation activities | | |
| 16. Registration of the initial examination in the patient's medical history | | |
| Diary of a patient who received emergency care/resuscitation while on duty <i>This section is filled out in neat, legible handwriting for one patient who received emergency care or resuscitation while on duty in a hospital or emergency department.</i> | | |
| Full name, age | Complaints and anamnesis. Objective data and ongoing tests. | Diagnosis. Emergency care or resuscitation |
| | | |

Student _____ Full name
(Signature)The head of practice from the healthcare
facility _____
(Name of healthcare facility)_____
(Signature) Full name**Doctor's stamp is required**

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational Institution

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

THE NAME OF THE HEALTHCARE FACILITY

APPROVED BY

The Head of Practice Base/

The Head of the Hospital

(Director)

Full name

_____ 202__

Stamp

REPORT

on the implementation of the clinical medical practice in **therapy**

Student

Specialty

Faculty

Year of study, group No.

Period of practice

| № | List of practical skills | Recommended | | Mastered | |
|---|--|-------------|--------------------|----------------|--------------------|
| | | number | level of mastering | number (total) | level of mastering |
| 1 | Performing a physical examination of the patient | 90 | 3 | | |
| 2 | Measurement of blood pressure, heart rate, counting the pulse rate and respiration | 90 | 3 | | |
| 3 | Determination of blood oxygen saturation (saturation) | 30 | 3 | | |
| 4 | Interpretation of the complete blood count (CBC) | 30 | 3 | | |
| 5 | Interpretation of the general analysis of urine | 30 | 3 | | |
| 6 | Interpretation of blood glucose | 30 | 3 | | |
| 7 | Interpretation of a biochemical blood test | 30 | 3 | | |
| 8 | Interpretation of the coagulogram | 20 | 3 | | |
| 9 | Interpretation of pulmonary function test (PFT) | 10 | 3 | | |

| | | | | | |
|----|---|----|-----|--|--|
| 10 | Interpretation of a chest x-ray (CXR) | 10 | 3 | | |
| 11 | Interpretation of radiographs of the joints | 6 | 3 | | |
| 12 | ECG interpretation | 20 | 3 | | |
| 13 | Carrying out ultrasound of the abdominal organs | 6 | 2 | | |
| 14 | Carrying out echocardiography | 6 | 2 | | |
| 15 | Conducting fibrobronchoscopy (FBS) | 3 | 2 | | |
| 16 | Fibroesophagogastroduodenoscopy (FGDS) | 5 | 2 | | |
| 17 | Fibrocolonoscopy (FCS) | 3 | 2 | | |
| 18 | Carrying out a stress test (VEP, treadmill test) | 3 | 2 | | |
| 19 | Carrying out X-ray studies | 3 | 2 | | |
| 20 | Performing a pleural puncture | 1 | 1-2 | | |
| 21 | Substantiation of the clinical diagnosis | 30 | 2 | | |
| 22 | Prescribing medication to a patient | 60 | 2 | | |
| 23 | Providing emergency care to the patient | 82 | 1-2 | | |
| | pneumothorax | 2 | 1-2 | | |
| | PE (pulmonary embolism) | 2 | 1-2 | | |
| | breathlessness in bronchial asthma | 2 | 1-2 | | |
| | with status asthmaticus | 2 | 1-2 | | |
| | with respiratory distress syndrome in adults | 2 | 1-2 | | |
| | with cardiogenic shock | 2 | 1-2 | | |
| | with anaphylactic shock | 2 | 1-2 | | |
| | with hemorrhagic shock | 2 | 1-2 | | |
| | with hypovolemic shock | 2 | 1-2 | | |
| | with toxic shock | 2 | 1-2 | | |
| | with acute left ventricular failure and pulmonary edema | 2 | 1-2 | | |
| | with paroxysm of monomorphic ventricular tachycardia | 2 | 1-2 | | |
| | with pirouette tachycardia of the torsades de pointes type | 2 | 1-2 | | |
| | with paroxysmal atrial fibrillation | 2 | 1-2 | | |
| | with supraventricular tachycardia | 2 | 1-2 | | |
| | with paroxysm of AV reciprocal tachycardia against the background of WPW syndrome | 2 | 1-2 | | |
| | with paroxysmal atrial tachycardia | 2 | 1-2 | | |
| | with paroxysm of atrioventricular nodal reciprocal tachycardia | 2 | 1-2 | | |
| | with frequent ventricular extrasystoles | 2 | 1-2 | | |
| | with complete AV block | 2 | 1-2 | | |
| | with uncomplicated hypertensive crisis | 2 | 1-2 | | |
| | with cardiac hypertensive crisis complicated by acute left ventricular failure | 2 | 1-2 | | |
| | with cardiac hypertensive crisis complicated by acute coronary syndrome | 2 | 1-2 | | |
| | with cardiac hypertensive crisis complicated by aortic dissection | 2 | 1-2 | | |

| | | | | | |
|----|---|----|-----|--|--|
| | with cerebral hypertensive crisis complicated by ischemic stroke | 2 | 1-2 | | |
| | with cerebral hypertensive crisis complicated by hemorrhagic stroke | 2 | 1-2 | | |
| | with cerebral hypertensive crisis complicated by acute hypertensive encephalopathy | 2 | 1-2 | | |
| | with aortic dissection | 2 | 1-2 | | |
| | with angioedema | 2 | 1-2 | | |
| | with an acute allergic reaction (urticaria) | 2 | 1-2 | | |
| | with laryngeal edema | 2 | 1-2 | | |
| | with hyperglycemic ketoacidotic coma | 2 | 1-2 | | |
| | with hyperglycemic hyperosmolar coma | 2 | 1-2 | | |
| | with hypoglycemic coma | 2 | 1-2 | | |
| | with acute hepatic encephalopathy | 2 | 1-2 | | |
| | with acute adrenal insufficiency | 2 | 1-2 | | |
| | with acute renal failure | 2 | 1-2 | | |
| | with acute urinary retention | 2 | 1-2 | | |
| | with acute hyperthermia | 2 | 1-2 | | |
| | with heat stroke | 2 | 1-2 | | |
| | with sunstroke | 2 | 1-2 | | |
| | fainting | 2 | 1-2 | | |
| 24 | Carrying out resuscitation measures | 1 | 1-2 | | |
| 25 | Carrying out sanitary and educational work | 15 | 3 | | |
| 26 | Registration of the initial examination in the patient's medical history | 6 | 3 | | |
| 27 | Registration of a diary of examination of patients in the patient's medical history | 30 | 3 | | |
| 28 | Making an epicrisis in the patient's medical history | 6 | 3 | | |
| 29 | Duty in the department | 1 | 3 | | |
| 30 | Reception duty | 1 | 3 | | |
| 31 | Participation in rounds, consultations, clinical conferences | 14 | 3 | | |
| 32 | Attendance at morning shifts | 14 | 3 | | |

Student _____ Full name
(Signature)

The head of practice from the healthcare facility _____
(Name of healthcare facility)

_____ Full name
(Signature)

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational institution

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

NAME OF THE HEALTH CARE ORGANIZATION**DIARY**work experience practice in **obstetrics and gynecology**

Student

Specialty

Faculty

Year of study, group No.

Period of practice

Practice Supervisor assigned by the
healthcare facility

*(signature) (credentials)*Practice Supervisor assigned by the
department of obstetrics and gynecology

(signature) (credentials)

Day № _____ Date _____ Time _____

Department (ward) _____

The journal must include daily report regarding only those practical skills listed in «Performed practical skills» that were performed in a corresponding department (ward).

| Performed practical skills | Quantity (per day) | Level of mastery |
|---|-----------------------|---------------------|
| Anamnesis study | | |
| Patient management and work with medical documentation | | |
| External obstetric examination (pelvimetry, Solovyov's index measurement, Michaelis rhombus, assessment of uterine fundal height and abdominal circumference) | | |
| External obstetric examination (Leopold maneuvers) | | |
| Estimated fetal weight assessment | | |
| Assessment of estimated term of gestation and due delivery date | | |
| Internal obstetric examination | | |
| Fetal heart tones auscultation and interpretation | | |
| CTG recording and interpretation | | |
| Participation in uncomplicated delivery | | |
| Assessment of placental separation signs | | |
| Placental integrity evaluation and blood loss volume assessment | | |
| External methods of placental delivery | | |
| Prevention of obstetric hemorrhage in early postpartum period | | |
| Newborn evaluation using APGAR score | | |
| Primary hygiene of a newborn | | |
| Assistance during postpartum examination per speculum and surgical management of lacerations | | |
| Assistance during C-section | | |
| Gynecological examination (per speculum, bimanual vaginal-abdominal examination) | | |
| Visual inspection and palpation of mammary glands | | |
| Biological sample collection from vagina, cervix and urethra | | |
| Biological sample collection for cervical cytology | | |
| Assistance during minor gynecological surgery (dilation and curettage, hysteroscopy, culdocentesis, cervical biopsy, Bartholin's gland abscess drainage) | | |
| Assistance during abdominal and vaginal surgery in gynecology | | |
| Surgical hand antiseptic | | |
| Additional types of work: | | |

Here should be listed only those additional types of work that were performed by a student, and the degree of independent performance must be noted:

introduction to the structure and organization of work in the practice base, with safety labor regulations, fire safety protocols (1st day of practice);

introduction to the structure and organization of work in the department (ward) on the 1st day of practice in each department/ward;

introduction to algorithm of admission, sanitary and hygienic procedures carried out on admission, assistance to a doctor while composing a plan of diagnostic procedures and treatment on admission (diagnosis, plan of diagnostic procedures, treatment plan);

patient management followed by medical documentation with diagnosis, its justification, final clinical report;

participation in ward rounds, clinical conferences;

health-promoting educational discussions with patients.

Final clinical reports, diagnoses and their justification must be written clearly, in a readable font. Diagnosis justification must include plan of diagnostic procedures, analyses and interpretation of laboratory and instrumental findings, treatment plan (in Latin, with dosage and regimen, mechanism of action, etc.)

Student _____
(signature) Last name, name

Practice supervisor
in the healthcare
facility _____
(signature) Last name, name
(seal)

Day № _____ Date _____ Time _____

The journal must include only those practical skills listed in "Performed practical skills" that were performed during an evening shift.

| Performed practical skills | Quantity (per day) | Level of mastery |
|---|-----------------------|---------------------|
| Anamnesis study | | |
| External obstetric examination (pelvimetry, Solovyov's index measurement, Michaelis rhombus, assessment of uterine fundal height and abdominal circumference) | | |
| External obstetric examination (Leopold maneuvers) | | |
| Estimated fetal weight assessment | | |
| Assessment of estimated term of gestation and due delivery date | | |
| Internal obstetric examination | | |
| Fetal heart tones auscultation and interpretation | | |
| CTG recording and interpretation | | |
| Participation in uncomplicated delivery | | |
| Assessment of placental separation signs | | |
| Placental integrity evaluation and blood loss volume assessment | | |
| External methods of placental delivery | | |
| Prevention of obstetric hemorrhage in early postpartum period | | |
| Newborn evaluation using APGAR score | | |
| Primary hygiene of a newborn | | |
| Assistance during postpartum examination per speculum and surgical management of lacerations | | |
| Assistance during urgent surgical interventions in obstetrics and gynecology | | |
| Gynecological examination (per speculum, bimanual vaginal-abdominal examination) | | |
| Visual inspection and palpation of mammary glands | | |
| Biological sample collection from vagina, cervix and urethra | | |
| Biological sample collection for cervical cytology | | |
| Surgical hand antiseptic | | |
| Additional types of work: | | |
| <i>Here should be listed only those additional types of work that were performed by a student, and the degree of independent performance must be noted:</i> | | |

Student _____
(signature) Last name, name

Practice supervisor
in the healthcare
facility _____
(signature) Last name, name
(seal)

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational institution

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

NAME OF THE HEALTH CARE ORGANIZATION

APPROVED

Chief Physician of the
healthcare facility

Name, Last Name

_____ 202____
seal

REPORT

on the implementation of work experience practice in **obstetrics and gynecology**
program

Student

Specialty

Faculty

Year of study, group No.

Period of practice

| № | List of practical skills | Recommended | | Mastered | |
|-----|---|-------------|------------------|------------------|------------------|
| | | quantity | level of mastery | quantity (total) | level of mastery |
| 1. | Anamnesis study | 10 | 3 | | |
| 2. | Patient management and work with medical documentation | 7-8 | 3 | | |
| 3. | External obstetric examination (pelvimetry, Solovyov's index measurement, Michaelis rhombus, assessment of uterine fundal height and abdominal circumference) | 5 | 3 | | |
| 4. | External obstetric examination (Leopold maneuvers) | 10 | 3 | | |
| 5. | Estimated fetal weight assessment | 10 | 3 | | |
| 6. | Assessment of estimated term of gestation and due delivery date | 10 | 3 | | |
| 7. | Internal obstetric examination | 5 | 3 | | |
| 8. | Fetal heart tones auscultation and interpretation | 10 | 3 | | |
| 9. | CTG recording and interpretation | 10 | 3 | | |
| 10. | Participation in uncomplicated delivery | 2 | 2 | | |

| | | | | | |
|-----|--|----|---|--|--|
| 11. | Assessment of placental separation signs | 2 | 3 | | |
| 12. | Placental integrity evaluation and blood loss volume assessment | 2 | 3 | | |
| 13. | External methods of placental delivery | 2 | 2 | | |
| 14. | Prevention of obstetric hemorrhage in early postpartum period | 2 | 2 | | |
| 15. | Newborn evaluation using APGAR score | 2 | 3 | | |
| 16. | Primary hygiene of a newborn | 2 | 2 | | |
| 17. | Assistance during postpartum examination per speculum and surgical management of lacerations | 2 | 2 | | |
| 18. | Assistance during C-section | 2 | 2 | | |
| 19. | Gynecological examination (per speculum, bimanual vaginal-abdominal examination) | 5 | 3 | | |
| 20. | Visual inspection and palpation of mammary glands | 5 | 3 | | |
| 21. | Biological sample collection from vagina, cervix and urethra | 5 | 3 | | |
| 22. | Biological sample collection for cervical cytology | 2 | 3 | | |
| 23. | Assistance during minor gynecological surgery (dilation and curettage, hysteroscopy, culdocentesis, cervical biopsy, Bartholin's gland abscess drainage) | 5 | 2 | | |
| 24. | Assistance during abdominal and vaginal surgery in gynecology | 2 | 2 | | |
| 25. | Surgical hand antiseptic | 10 | 3 | | |

Student _____
(signature) Name

Head
of practice from the department

(signature) Name

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational institution

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

NAME OF THE HEALTH CARE INSTITUTION**DIARY**in work experience practice in **Surgery**

Student _____

Specialty _____

Faculty _____

Year of study, group No _____

Period of practice _____

Head of the practice of the educational
institution_____
(signature)_____
full nameHead of the practice of the institution
department

(name) _____

(signature)_____
full name

Day ____ . Date _____ Time _____

Each day of practice is recorded on a new page.

The table "Content of the work performed" is relevant for all days of practice. Only the skills that have been completed are listed daily in the diary.

The level of development is indicated by the student daily and certified by a surgical specialist

| The content of the work performed | Quantity (per day) | Level of development |
|---|-----------------------|-------------------------|
| Daily care of patients | | |
| Examination and registration of a medical history for an emergency patient | | |
| Making a medical history for a planned patient | | |
| Registration of observation diaries for an emergency patient | | |
| Record keeping of a planned patient | | |
| Registration of a protocol for transfusion of erythrocyte mass (protocol of hemotransfusion form No. 460 / y-07 of the Appendix to the order of the Ministry of Health of the Republic of Belarus dated September 28, 2007 No. 788 and a transfusion transfusion sheet). Attach one completed transfusion protocol to the diary | | |
| Registration of a plasma transfusion protocol (hemotransfusion protocol form No. 460 / y-07 of the Appendix to the order of the Ministry of Health of the Republic of Belarus dated September 28, 2007 No. 788 and a transfusion transfusion sheet). Attach one completed transfusion protocol to the diary. | | |
| Drafting a discharge summary | | |
| Registration of discharge documents for cancer patients: 1. Notice of a newly diagnosed case of a malignant neoplasm (Appendix 2 to the order of the Ministry of Health of the Republic of Belarus dated April 23, 2003 No. 75, form No. 090 / y-03). Attach one completed notice to the diary. 2. An extract from the medical record of an inpatient with a malignant neoplasm (Appendix 1 to the order of the Ministry of Health of the Republic of Belarus dated April 23, 2003. Form No. 027-1 / y-03. Attach one completed extract to the diary. 3. Protocol in case a patient is diagnosed with an advanced form of a malignant neoplasm (stage 3 of visual localizations and stage 4 of all localizations). Attach one completed protocol to the diary. | | |
| Registration of the protocol of surgical intervention. Attach one protocol to the diary | | |

| | | |
|---|--|--|
| Preparation of indications for surgical intervention. Attach one indication to the diary (the form of a preoperative epicrisis (indications for surgery) in additional work. | | |
| Primary surgical treatment of wounds. Indicate where the wound is located, the method of applying the wound (bruised, crushed, incised, etc.), the duration of the period before admission to the hospital and a brief description of the features of the initial treatment | | |
| Opening of abscesses and phlegmon of soft tissues. Indicate the diagnosis and features of the surgery | | |
| Panaritium opening. Indicate which panaritium according to the classification and features of the opening | | |
| Local anesthesia. Indicate the diagnosis and features of local anesthesia, which drug was used and possible complications | | |
| Dressing of clean wounds and removal of sutures. Indicate what type of suture (nodal, continuous skin, p-shaped, Donati, intradermal cosmetic, etc.) | | |
| Removal of drains | | |
| Bandaging of purulent wounds. Indicate the diagnosis, the stage of the purulent process and the characteristics of the dressing (with or without excision of necrotic tissues, with what medications the dressing was performed and the mechanism of their action) | | |
| Bedsore dressing. Indicate the location of the bedsore and the features of the dressing, whether other methods of influencing the place of the pressure sores were used during the dressing (laser therapy, ultraviolet radiation, and others) | | |
| Identification of the blood group. Indicate which blood groups you have identified and why. Draw a diagram with agglutination | | |
| Transfusion of red blood cells together with the doctor and under his supervision. Indicate which tests were performed before transfusion, their evaluation, as well as possible early and late complications during transfusion. | | |
| Transfusion of plasma and other blood products. Indicate the tests performed during transfusion, possible complications and the algorithm of the doctor's action. | | |
| Vein punctures, catheterization of peripheral superficial veins, venesection | | |
| Puncture of joints and joint capsules, administration of medicinal substances. Describe the procedure and possible complications | | |
| Insertion of a gastric tube and gastric lavage. Indicate the indications for the appointment and the assessment as a result of the medical procedure | | |
| Performing a siphon enema | | |

| | | |
|--|--|--|
| Setting up a Blackmore probe as an assistant. Describe the staging technique | | |
| Performing a pleural puncture as an assistant. Describe the technique and set for pleural puncture | | |
| Drainage of the pleural cavity as a 1st assistant. Describe the execution method. | | |
| Puncture of the abdominal cavity with ascites as the 1st assistant. Describe the execution method | | |
| Participation in laparocentesis and diagnostic laparoscopy as 1 assistant | | |
| Bladder catheterization with a soft catheter | | |
| Finger examination of the rectum, examination of the rectum with an anoscope | | |
| Reposition of the rectum. Describe the technique in children | | |
| Participation as the 1st assistant in emergency and planned operations. Indicate the diagnosis, for which the patient was operated on and the name of the operation, indicate the sequence of operational benefits | | |
| Participation as the 2nd assistant in emergency and planned operations. Indicate the diagnosis, for which the patient was operated on and the name of the operation, indicate the sequence of operational benefits | | |
| Imposition of skeletal traction in fractures. Specify the diagnosis and briefly describe the procedure | | |
| Reduction of dislocations. Indicate the diagnosis and what method of reduction was used | | |
| Reposition of bone fractures. Indicate the diagnosis | | |
| Applying plaster bandages. Indicate the diagnosis and features of applying a plaster cast | | |
| Participation in the examination of patients in the X-ray room. Indicate the diagnosis, X-ray method, interpretation of the data. For example, Dz: Perforated duodenal ulcer, a survey image of the abdominal cavity was made for the presence of free gas while standing, free gas was found under the right dome of the diaphragm. | | |
| Participation in the examination of patients in endoscopy. Indicate the diagnosis, the performed method and the interpretation of the data. For example, Dz: stricture of the terminal part of the common bile duct, choledocholithiasis? ERCP was performed, stricture of the 2nd degree was found, a stone in the choledochus up to 1 cm. EPST was performed, the stone was removed with a Dormia basket | | |
| Participation in performing CT, MRI, ultrasound for patients. Indicate the diagnosis, which method was performed and its interpretation. For example, Dz: stricture of the terminal part of the common bile duct, choledocholithiasis? MRI | | |

| | | |
|--|--|--|
| <p>cholangiography was performed. Found narrowing of the terminal part of the common bile duct, multiple choledocholithiasis. Dz: Acute calculous cholecystitis. Performed ultrasound of the abdominal cavity. The gallbladder is enlarged, its walls are edematous up to 5 mm, with a double contour, with the presence of fluid around the gallbladder, ultrasound signs of destructive cholecystitis.</p> | | |
| <p>Familiarization with the work of a laboratory doctor (laboratory work). Get acquainted with the availability of analyzers in the laboratory, how blood, urine, and cerebrospinal fluid tests are performed. Knowledge of the reference values of studies, evaluation of the results obtained in patients.</p> | | |

Additional work:

1. Justification of the diagnosis (three different).

Complaints of the patient (the main complaints are indicated)

Disease history. Data of an objective examination (the main ones are indicated).

Local status (detailed description of local manifestations with all specific symptoms of the alleged pathological process).

Interpretation of laboratory data (the most characteristic changes for the alleged pathological process are indicated).

Evaluation of instrumental research methods (the most characteristic changes for the alleged pathological process are indicated from the research protocol, but not the conclusion of a specialist)

Formulation of the diagnosis according to ICD 10

Formulation of the diagnosis according to the classifications of surgical diseases accepted in the Republic of Belarus.

Plan for further examination of the patient (the method of examination and the purpose of its appointment are correctly indicated)

Patient's treatment plan (correctly in Latin, a medical preparation is indicated with an indication of the form, dose, method and frequency of its administration; the treatment plan is drawn up as a stationary prescription list)
2. Discharge summary 3 (three) different (preference is given to emergency surgical pathology)

The form of the epicrisis is standard. It is mandatory to indicate the surgical and drug treatment performed in the hospital, the complications that arose in the postoperative period, the final examination at the time of discharge, specific recommendations for the clinic doctor and the patient, and the issuance of prescriptions for recommended drugs at the outpatient treatment stage.
3. Indication for surgery (preoperative epicrisis)
 - 3.1. Justification of the diagnosis (the main data are indicated, the scheme is indicated in paragraph one).
 - 3.2. Tactics of the doctor in this pathology (indicates which operation is indicated: emergency, urgent, delayed or in the interval, planned and for what purpose).
 - 3.3. What is the scope of the operation. For example: laparoscopic appendectomy or hernia repair with Bassini plasty and others.
 - 3.4. What measures are planned to prevent complications. For example, in order to prevent

PE, the use of anticoagulants in the postoperative period is indicated, indicating the form, dose, method of administration and frequency of administration.

3.5. What type of anesthesia is planned (specify only the type without justification).

4. Protocol of operation 1 (one).

5. One blood transfusion protocol.

6. Documents of a patient with oncopathology:

notification of a newly diagnosed case of a malignant neoplasm;

an extract from the medical record of an inpatient with a malignant neoplasm;

protocol in case a patient has an advanced form of a malignant neoplasm.

7. Sanitary and educational work.

Student _____

(signature) (full name)

Head of the practice of the educational
institution _____

(signature) full nameO.

Doctor's stamp is required

Day 1. Date _____ Time 8.00 -13.30 (9.00-14.30)

Each day of practice is recorded on a new page.

Registration on the basis of clinical practice. Passing a briefing on labor protection and safety. Distribution to the surgical department of a healthcare institution. Obtaining a ward for curation together with the attending physician of this ward.

The main characteristic of the surgical department, where the student has an internship. The profile of the surgical department, the number of beds, the presence of operating rooms, dressing rooms are indicated. It also indicates the available special research methods and treatment options in a medical institution.

Compliance with the conditions of safe work and issues of deontology.

(Passed instructing on labor protection and safety with the execution of the established documentation. Learned safe working methods (if necessary). Got acquainted with the ethical foundations of the professional activities of the department doctor and the patient's rights to information about the medical intervention).

Accepted for curation 4/6 / patients:

Patient (last name, initials), age, gender, medical history No. ... diagnosis

Patient (last name, initials), age, gender, medical history No. ... diagnosis

etc. other patients...

Completed ____ (number) of diaries in case histories

Implementation of practical skills

| The content of the work performed | Quantity (per day) | Level of development |
|-----------------------------------|-----------------------|-------------------------|
| | | |
| | | |
| Additional work: | | |
| 1. | | |

Student _____
(signature) (full name)

Head of the practice of the educational
institution _____
(signature) full nameO.

Doctor's stamp is required

Day 2. Date _____ Time 8.00 -13.30 (9.00-14.30)

Participation in the morning medical conference. If the student reported the patient to the operation, then the content of the report is briefly described.

Bypassing supervised patients together with the attending physician. Specify: patient (surname, initials), age, gender, medical history No. ... diagnosis, what complication arose, the prescribed method of examination, changes in the prescription list.

Participation together with the head of the department and consultants in inspections severe patients: patient (surname, initials), age, gender, history disease No... diagnosis...., examination plan..., treatment...., recommendations

Implementation of practical skills

| The content of the work performed | Quantity (per day) | Level of development |
|-----------------------------------|-----------------------|-------------------------|
| | | |
| | | |
| Additional work: | | |
| 1. | | |

Student _____
(signature) (full name)

Head of the practice of the educational
institution _____
(signature) full nameO.

Doctor's stamp is required

Day 3. Date _____ Time 8.00 -13.30 (9.00-14.30)

Participation in the work of a clinical conference, if such was held (indicate the patient's diagnosis, and this is most often a rare case of the disease or an atypical course of the disease, indicate the conclusion of the conference).

Participated in curation of 4 /6/ patients:

Patient (last name, initials), age, gender, medical history No. ... diagnosis

Patient (last name, initials), age, gender, medical history No. ... diagnosis

etc. *other patients...*

Round supervised patients together with the attending physician. Indicate the features of the bypass: the appointment of special and laboratory methods of examination, changes in sheets

Completed ____ (number) of diaries in the case histories. Including electronic (if available in a medical institution)

Implementation of practical skills

| The content of the work performed | Quantity (per day) | Level of development |
|-----------------------------------|-----------------------|-------------------------|
| | | |
| | | |
| Additional work: | | |
| 1. | | |

Student _____
(signature) (full name)

Head of the practice of the educational
institution _____
(signature) full nameO.

Doctor's stamp is required

Day 4. Date _____ Time 8.00 -13.30 (9.00-14.30)

Participation in the work (if there was such a conference) of the pathoanatomical conference (indicate the diagnosis, the reason for the analysis of the case of the deceased patient, whether there is a discrepancy between the clinical and pathoanatomical diagnoses, the conclusion of the conference, conclusions. To write this item, you can consult with the secretary of the conference, who draws up the protocol of the pathoanatomical conference.

Participated in curation of 4 /6/ patients:

Patient (last name, initials), age, gender, medical history No. ... diagnosis

Patient (last name, initials), age, gender, medical history No. ... diagnosis

etc. other patients...

Bypassing supervised patients together with the attending physician. Indicate the features of the bypass: the appointment of special and laboratory methods of examination, changes in sheets

Completed ____ (number) of diaries in the case histories. Including electronic (if available in a medical institution)

Implementation of practical skills

| The content of the work performed | Quantity (per day) | Level of development |
|-----------------------------------|-----------------------|-------------------------|
| | | |
| | | |
| Additional work: | | |
| 1. | | |

Student _____
(signature) (full name)

Head of the practice of the educational
institution _____
(signature) full nameO.

Doctor's stamp is required

Day 5. Date _____ Time 8.00 -13.30 (9.00-14.30)

Participation in the morning medical conference. If the student reported the patient to the operation, then the content of the report is briefly described.

Round supervised patients together with the attending physician. Specify: patient (surname, initials), age, gender, medical history No. ... diagnosis, what complication arose, the prescribed method of examination, changes in the prescription list.

Participation in the general bypass of an employee of the department or head of the department. Indicate the number of patients on a general round. Report by the student on the general bypass of the patients supervised by him. Indicate the comments made to the student during his report.

Registration of ____ (number) diaries of general rounds in the case histories indicating comments on the treatment of the patient and recommendations during the round, including electronic ones (if available in a medical institution).

Implementation of practical skills

| The content of the work performed | Quantity (per day) | Level of development |
|-----------------------------------|-----------------------|-------------------------|
| | | |
| | | |
| Additional work: | | |
| 1. | | |

Student _____
(signature) (full name)

Head of the practice of the educational
institution _____
(signature) full nameO.

Doctor's stamp is required

Duty in the emergency department / hospital

Duty number 1.

Specify where (admission department or surgical (which) department)

Date */indicate the beginning and end of duty/*.

Approximate duty time: 1. From 15.00 to 20.00; 2. From 16.00 to 21.00; or any other time after the main practice time.

At the request of the student, duty can be on a weekend or longer

Duty number 1. Date _____ Time 16.00-21.00, admission department

Accepted ____ (number) of admitted patients with a decision on hospitalization and execution of medical documentation:

Patient (last name, initials), age, gender, medical history No. ... diagnosis, description of the diagnostic and therapeutic measures taken /.*Etc. other patients.*

____ (number) of admitted patients examined with medical documentation:

Patient (surname, initials), age, gender,*diagnosis, description of the carried out diagnostic and therapeutic measures, recommendations are given/.**Etc. other patients.*Took part in consultations appointed by other specialists in the admission department with the execution of medical documentation: **Patient (surname, initials), age, gender,***diagnosis, description of the diagnostic and therapeutic measures taken, recommendations were given /.***Implementation of practical skills**

| The content of the work performed | Quantity (per day) | Level of development |
|-----------------------------------|-----------------------|-------------------------|
| | | |
| | | |
| Additional work: | | |
| 1. | | |

Student _____
(signature) (full name)Head of the practice of the educational
institution _____
(signature) full name()**Doctor's stamp is required**

Duty number 2. Date _____ Time 16.00-21.00, admission department

Accepted ____ (*number*) of admitted patients with a decision on hospitalization and execution of medical documentation: **Patient (surname, initials), age, gender, medical history No. ... diagnosis, description of the diagnostic and therapeutic measures taken /.**

Etc. other patients.

____ (*number*) of admitted patients examined with medical documentation: **Patient (surname, initials), age, gender,**

diagnosis, description of the carried out diagnostic and therapeutic measures, recommendations are given/.

Etc. other patients.

Participated in the provision of emergency surgical care to patients: **Patient (surname, initials), age, gender, diagnosis, description events held /.** *Etc. other patients.*

Implementation of practical skills

| The content of the work performed | Quantity (per day) | Level of development |
|-----------------------------------|-----------------------|-------------------------|
| | | |
| | | |
| Additional work: | | |
| 1. | | |

Student _____
(signature) (full name)

Head of the practice of the educational
institution _____
(signature) full nameO.

Doctor's stamp is required

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational institution

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

NAME OF THE HEALTH CARE INSTITUTION

APPROVED by

The Head

of the practice base/

Chief Physician (Director)

(full name)

_____ 202__

seal

REPORT

on the implementation of work experience practice in Surgery program

Student _____

Specialty _____

Faculty _____

Year of study, group No _____

Period of practice _____

| № | List of practical skills | Recommended | | Mastered | |
|----|--|-------------|-------|----------------|-------|
| | | number | level | number (total) | level |
| 1. | Daily care of patients | 4-6 | 3 | | |
| 2. | Duty in the hospital | 3 | 3 | | |
| 3. | Examination and registration of a medical history for an emergency patient | 15 | 3 | | |
| 4. | Making a medical history for a planned patient | 10 | 3 | | |
| 5. | Examination and registration of a medical history for an emergency patient | 10 | 3 | | |
| 6. | Record keeping of a planned patient | 15 | 3 | | |
| 7. | Registration of a protocol for transfusion of erythrocyte mass | 3 | 3 | | |
| 8. | Registration of a plasma transfusion protocol | 3 | 3 | | |

| | | | | | |
|-----|--|----|-----|--|--|
| 9. | Drafting a discharge summary | 10 | 3 | | |
| 10. | Registration of discharge documents for cancer patient | 5 | 3 | | |
| 11. | Registration of the protocol of surgical intervention. | 5 | 3 | | |
| 12. | Preparation of indications for surgical intervention. | 3 | 3 | | |
| 13. | Primary surgical treatment of wounds. | 10 | 3 | | |
| 14. | Opening of abscesses and phlegmon of soft tissues. | 5 | 2-3 | | |
| 15. | Panaritium opening. | 3 | 2-3 | | |
| 16. | Local anesthesia. | 10 | 3 | | |
| 17. | Dressing of clean wounds and removal of sutures. | 25 | 3 | | |
| 18. | Removal of drains | 6 | 3 | | |
| 19. | Bandaging of purulent wounds. | 25 | 3 | | |
| 20. | Bedsore dressing. | 5 | 3 | | |
| 21. | Identification of the blood group. | 20 | 3 | | |
| 22. | Transfusion of red blood cells together with the doctor and under his supervision. | 3 | 2 | | |
| 23. | Transfusion of plasma and other blood products. | 5 | 3 | | |
| 24. | Vein punctures, catheterization of peripheral superficial veins, venesection | 15 | 3 | | |
| 25. | Puncture of joints and joint capsules, administration of medicinal substances. | 5 | 1-2 | | |
| 26. | Insertion of a gastric tube and gastric lavage. | 5 | 3 | | |
| 27. | Performing a siphon enema | 3 | 2-3 | | |
| 28. | Setting up a Blackmore probe as an assistant. | 2 | 1-2 | | |
| 29. | Performing a pleural puncture as an assistant. | 5 | 1-2 | | |
| 30. | Drainage of the pleural cavity as a 1st assistant. | 2 | 1-2 | | |
| 31. | Puncture of the abdominal cavity with ascites as the 1st assistant. | 3 | 1-2 | | |
| 32. | Participation in laparocentesis and diagnostic laparoscopy as 1 assistant | 3 | 2 | | |
| 33. | Bladder catheterization with a soft catheter | 5 | 3 | | |
| 34. | Finger examination of the rectum, examination of the rectum with an anoscope | 5 | 3 | | |
| 35. | Reposition of the rectum. | 3 | 1 | | |
| 36. | Participation as the 1st assistant in emergency and planned operations. | 5 | 2 | | |
| 37. | Participation as the 2nd assistant in emergency and planned operations. | 10 | 2 | | |
| 38. | Imposition of skeletal traction in fractures. | 2 | 1-2 | | |
| 39. | Reduction of dislocations. | 2 | 1-2 | | |
| 40. | Reposition of bone fractures. | 2 | 1-2 | | |
| 41. | Applying plaster bandages. | 3 | 3 | | |
| 42. | Participation in the examination of patients in the X-ray room. | 3 | 2 | | |

| | | | | | |
|-----|---|---|---|--|--|
| 43. | Participation in the examination of patients in endoscopy. | 3 | 2 | | |
| 44. | Participation in performing CT, MRI, ultrasound for patients. | 5 | 2 | | |
| 45. | Familiarization with the work of a laboratory doctor | 3 | 2 | | |

Student _____

(signature) full name

Head of the practice of the educational institution

signature) full name

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational institution

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

NAME OF THE HEALTH CARE ORGANIZATION

INDIVIDUAL ASSIGNMENT

for the «Public Health and Health Care» section

Student

Specialty

Faculty

Year of study, group No

Period of practice

Topic

Head of the practice of the educational
institution_____
(signature) (Full name)Head of the practice
of the Public Health and Health Care
Department_____
(signature) (Full name)

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

Educational institution

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

NAME OF THE HEALTH CARE ORGANIZATION

REPORT

on the implementation of the practical medical clinical training
«Public Health and Health Care»

Student

Specialty

Faculty

Year of study, group No.

Period of practice

| № | Practical skills | Recommended | | mastering | |
|------|--|-------------|--------------------|-----------|--------------------|
| | | number | level of mastering | number | level of mastering |
| 1. | Characteristics of the hospital (out-patient polyclinic) operation, its structural units, the organization of medical care provision to the patients | 1 | 1,2,3 | | |
| 2. | Calculation of indicators characterizing the staff of the hospital / department | 4 | 1,2,3 | | |
| 2.1. | staffing rate | 2 | 1,2,3 | | |
| 2.2. | the staff's workload indicators | 2 | 1,2,3 | | |
| 3. | Calculation of indicators characterizing the use of hospital beds | 6 | 1,2,3 | | |
| 3.1. | the average annual bed occupancy (days) | 2 | 1,2,3 | | |
| 3.2. | the average duration of the patient's stay (days) | 2 | 1,2,3 | | |
| 3.3. | the turnover of the bed | 2 | 1,2,3 | | |
| 4. | Calculation of indicators characterizing the quality of inpatient medical care | 8 | 1,2,3 | | |
| 4.1. | patients structure by disease classes (for a hospital), according to the main nosological forms of diseases (for the department) | 2 | 1,2,3 | | |
| 4.2. | treatment outcome rate (improved, unchanged, aggravated) | 2 | 1,2,3 | | |

| | | | | | |
|------|---|---|-------|--|--|
| 4.3. | hospital lethality | 2 | 1,2,3 | | |
| 4.4 | the percentage of coincidence in clinical and pathological diagnoses | 2 | 1,2,3 | | |
| 5. | Calculation of indicators characterizing the quality of surgical work | 6 | 1,2,3 | | |
| 5.1 | the surgical activity | 2 | 1,2,3 | | |
| 5.2. | surgical operations structure | 2 | 1,2,3 | | |
| 5.3 | the frequency of postoperative complications | 2 | 1,2,3 | | |
| 6 | Statistical analysis of the obtained results | 2 | 1,2,3 | | |
| 7 | Data representation in tables | 2 | 1,2,3 | | |
| 8 | Data representation in graphics | 2 | 1,2,3 | | |

Student _____
(signature) Name

Head of practice
from the organization _____
(signature) Name

Head of practice
from the Department of Public Health and
Healthcare _____
(signature) Name

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

BELARUSIAN STATE MEDICAL UNIVERSITY

Practice base

NAME OF THE HEALTH CARE INSTITUTION

REVIEWon work experience practice (*name*)

student's name, surname

The review reflects professional qualities of the student-intern, his ability to acquire professional skills, discloses the results of the personal and professional qualities development, assesses the results of the work experience program and the obtained level of practical training. The relationship with the team members, knowledge and compliance with the norms of medical ethics and deontology are also noted. In conclusion, recommendations are given on the admission of the student to the graded credit in work experience practice, suggestions to the university on the improvement of theoretical training preceding the student's work experience practice are provided.

Head of the practice of the educational institution

_____ *full name*, _____
 _____ 202__

I am familiar with the review of the practice _____ *full name*

COMPILERS:

Associate Professor of the 1st
department of internal diseases, MD,
Ph. D., Associate Professor;



signature

Y.Y. Pancratova

Associate Professor of the 2nd
department of internal diseases, MD,
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подпись

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Associate Professor



S.V. Vlasova

signature

Head of the Department of Public
Health and Healthcare of the
Educational Institution «Belarusian
State Medical University», Candidate of
Medical Sciences, Assistant Professor



T.P. Pavlovich

The design of the educational practice program and accompanying document
meet the established requirements.

Dean of the Medical Faculty for
International Students of Educational
Institution «Belarusian State Medical
University»

30 05 2013



O.S. Ishutin

Head of Practical Training of Educational
Institution «Belarusian State Medical
University»

19 05 2013



N.A. Medved

Methodist expert of Educational
Institution «Belarusian State Medical
University»

19 05 2013



O.R. Romanovskaya