

**Sample of an individual assignment for internship
"Production practice: practice of a therapeutic profile"
for students of the educational program
of specialist degree in the specialty/direction of training
31.05.01 Medical business,
direction (profile) Medical business,
form of study full-time
for the 2023-2024 academic year**

Sample of completing an individual practice assignment

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

INDIVIDUAL TASK

for the formation of competencies established by the internship work program
"Production practice: practice of a therapeutic profile"

a student_kypca _____ of the group's course,
student in the educational program
specialty in the specialty 31.05.01 Medical business,
orientation (profile) Medical business

(Full name of the student)

Internship period: from _ _ _ _ _ to _ _ _ _ _ .

Internship database: _____.

Head of Practice from VSMU: Full name and contact phone number.

PRACTICE CONTENT

Practice procedure:

- 1) Duration of practice: 16 days (144 hours/ 4 BPS)
- 2) The student works as a student assistant physician under the supervision of the practice manager; the practice manager corrects and monitors his / her activities.
- 3) When starting an internship, the student should familiarize himself with the internal regulations of the enterprise(organization, institution), pass a safety briefing.
- 4) The student keeps a diary with daily notes about the work done.
- 5) The internship ends with an intermediate certification, the time of which is set by the schedule of the educational process.

The purpose of the internship is to familiarize students with the main stages of a doctor's work in a therapeutic hospital; to develop basic skills in providing medical and preventive care to the population in a therapeutic hospital; to master the skills of providing emergency and emergency medical care to patients with therapeutic pathology at the hospital stage.

Practice objectives:

- consolidation of students ' knowledge about the basic principles of organizing medical and preventive care in a hospital setting;
- familiarizing students with the features of the organization and scope of work of a hospital doctor, with modern diagnostic capabilities of hospital clinical and diagnostic services and training them in their rational use;
- mastering the main stages of medical and diagnostic work at the patient's bedside in the process of independent medical activity;
- development of students ' clinical thinking skills in the diagnosis of the most common therapeutic diseases in a hospital setting, assessment of severity, features of the course and treatment;
- psychological preparation of students for their future profession;
- training students in self-registration of medical documentation of a hospital doctor.

PLANNED PRACTICE OUTCOMES

During the internship, the student must *acquire the following skills (experience of activity)*:

- collection of complaints, anamnesis of life and disease in children and adults (their legal representatives), identification of risk factors and causes of diseases; examination and physical examination of children and adults (examination, palpation, percussion, auscultation); diagnosis of the most common diseases in children and adults; identification of risk factors for major oncological diseases;
- formulation of a preliminary diagnosis, drawing up a plan for conducting instrumental, laboratory, additional studies, consultations of specialists; referral of patients for instrumental, laboratory, additional studies, consultations of specialists in accordance with the current medical care procedures, clinical recommendations, taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD); using medical devices provided for in the procedure for providing medical care;
- differential diagnosis of diseases; recognition of conditions that occur in sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and require emergency medical care;

- development of a treatment plan for children and adults with the most common diseases in accordance with the current medical care procedures and clinical recommendations;
- development of a treatment plan for the disease or condition, taking into account the diagnosis, age, and clinical picture, in accordance with the current medical care procedures, clinical recommendations (treatment protocols) on medical care, taking into account the standards of medical care.

Upon completion of the internship, *the student should know:*

- basic concepts in the field of medicine;
- procedure for collecting, storing, searching, processing, converting, and distributing information about diseases of internal organs;
- fundamentals of medical ethics and deontology;
- topographical anatomy, etiology and pathogenesis and clinical picture, methods of diagnosis of the most common diseases; medical devices provided for by the procedure for providing medical care; age, gender and ethnic characteristics of the course of pathological processes; conditions requiring emergency medical care;
- methodology for collecting medical history of life and illnesses, complaints from children and adults (their legal representatives);
- methods of examination and physical examination (examination, palpation, percussion, auscultation); methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting research, rules for interpreting their results;
- algorithm of diagnosis, principles of differential diagnosis, international statistical classification of diseases and health-related problems (ICD);
- general biological patterns, principles of heredity and variability, anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems.
- principles and methods of providing medical care to patients in emergency situations, in emergency situations, epidemics and in foci of mass destruction in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care;
- clinical signs of major emergency conditions;
- methods of medical and non-medical treatment, medical indications for the use of medical devices for the most common diseases;
- groups of medicinal products used to provide medical care in the treatment of the most common diseases; their mechanism of action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, undesirable reactions, including serious and unforeseen ones;
- features of providing medical care in emergency situations;
- capabilities of reference information systems and professional databases;
- methodology of information search, information and communication technologies;
- modern medical and biological terminology;
- principles of evidence-based medicine and personalized medicine;
- a list of laboratory and instrumental methods for assessing the patient's condition, the main medical indications for conducting research and interpreting the results;
- etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, features of the course, complications and outcomes of diseases of internal organs;
- clinical signs of sudden cessation of blood circulation and / or respiration;
- rules for basic cardiopulmonary resuscitation;
- principles of operation of devices for external electro-pulse therapy (defibrillation);

- rules for performing external electro-pulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration.
- procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, standards of medical care;
- methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting research, rules for interpreting their results;
- etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, features of the course, complications and outcomes of diseases of internal organs;
- modern methods of using medicines, medical devices and medical nutrition for diseases and conditions of the patient in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care;
- the mechanism of action of medicines, medical devices and medical nutrition, medical indications and contraindications to their use; complications caused by their use;
- modern methods of non-drug treatment of diseases and conditions in the patient in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care;
- the mechanism of action of non-drug treatment; medical indications and contraindications to its use; side effects, complications caused by its use.

the student must be able to:

- use educational, scientific, popular science literature, and the Internet for professional activities;
- apply ethical standards and principles of behavior of a medical worker in the performance of their professional duties;
- apply the rules and norms of doctor's interaction with colleagues and patients (their legal representatives).
- collect complaints, anamnesis of life and illness from children and adults (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical examination of children and adults; conduct cancer screening;
- interpret the results of examination and physical examination of children and adults; formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumental and additional studies in children and adults, in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; use medical devices provided for in the procedure for providing medical care;
- refer children and adults for laboratory, instrumental and additional studies, consultations with specialist doctors in accordance with the current procedures for providing medical care, clinical recommendations, and taking into account the standards of medical care;
- interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; conduct differential diagnosis of diseases in children and adults; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening conditions that require emergency medical care.
- to assess the main morphofunctional data, physiological conditions and pathological processes in the human body.
- recognize conditions that require emergency medical care, including in emergency situations, epidemics, and hotbeds of mass destruction.
- perform basic cardiopulmonary resuscitation and defibrillation;

- use medicines and medical devices when providing medical care in emergency situations; use personal protective equipment.
- determine the scope and sequence of planned measures for the treatment of children and adults with the most common diseases in accordance with the procedures for providing medical care, clinical recommendations, and taking into account the standards of medical care;
- monitor the effectiveness and safety of non-medicinal and medical treatment methods, prevent or eliminate complications, side effects, undesirable reactions, including unforeseen ones that have occurred as a result of diagnostic or therapeutic manipulations, the use of medicines and(or) medical devices, non-medicinal treatment;
- adjust treatment tactics based on the information received about the state of health and the effectiveness of treatment.
- perform an effective search for information necessary for solving professional tasks using reference systems and professional databases;
- use modern medical and biological terminology to identify clinical signs of conditions that require emergency medical care;
- perform emergency medical care activities;
- identify conditions that require emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration;
- perform basic cardiopulmonary resuscitation in combination with electro-pulse therapy (defibrillation).
- collect complaints, anamnesis of the patient's life and illness, and analyze the information received.
- perform a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results;
- justify the necessity and scope of the patient's laboratory examination;
- justify the necessity and scope of the patient's instrumental examination;
- justify the need to refer the patient for consultations with specialist doctors;
- analyze the results of the patient's examination, if necessary, justify and plan the scope of additional studies;
- interpret the results of collecting information about the patient's illness;
- interpret the data obtained during the patient's laboratory examination;
- interpret the data obtained during the instrumental examination of the patient;
- interpret the data obtained during the patient's consultations with specialist doctors;
- perform differential diagnostics of diseases of internal organs from other diseases;
- determine medical indications for the provision of emergency, including emergency specialized, medical care;
- use medical devices in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care.
- make a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the patient's age, the clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) for providing medical care, taking into account the standards of medical care;
- prescribe medicines, medical devices and medical nutrition taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care;
- evaluate the effectiveness and safety of the use of medicines, medical devices, and therapeutic nutrition.

Requirements for the results of practical training

As a result of the internship, the student should develop the following competencies:

| | |
|---------|--|
| UC-1. | It is able to carry out a critical analysis of problem situations based on a systematic approach, develop a strategy for the actions |
| GPC-1. | Able to implement moral and legal norms, ethical and deontological principles in the professional activities |
| GPC-4. | It is able to use medical devices provided for in the procedure for providing medical care, as well as conduct examinations of the patient in order to establish a diagnosis. |
| GPC-5. | It is able to assess morphofunctional, physiological states and pathological processes in the human body for solving professional tasks. |
| GPC-6. | It is able to organize patient care, provide primary health care, ensure the organization of work and professional decision-making in emergency situations at the pre-hospital stage, in emergency situations, epidemics and in foci of mass destruction. |
| GPC-7. | Able to prescribe treatment and monitor its effectiveness and safety. |
| GPC-10. | Able to understand the principles of modern information technologies and use them to solve the problems of professional activity |
| PC-1. | It is able to recognize and provide medical care in an emergency or urgent form for conditions that pose a threat to the patient's life, including conditions of clinical death (stopping vital functions of the human body (blood circulation and / or respiration)). |
| PC-2. | It is able to conduct an examination of the patient in the presence of medical indications in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care |
| PC-3. | Able to prescribe medical and non-medical treatment based on the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) for providing medical care, taking into account the standards of medical care |

Topics of individual tasks on the production practice of a therapeutic profile (the work is performed in one direction):

1. "A clinical case of a patient with a disease of the cardiovascular system. Etiology, pathogenesis, clinical picture, diagnosis, differential diagnosis, treatment. Features of ethics and deontology in patient management".
2. "A clinical case of a patient with a respiratory disease. Etiology, pathogenesis, clinical picture, diagnosis, differential diagnosis, treatment. Features of ethics and deontology in patient management".
3. "A clinical case of a patient with a disease of the gastrointestinal tract. Etiology, pathogenesis, clinical picture, diagnosis, differential diagnosis, treatment. Features of ethics and deontology in patient management".
4. "A clinical case of a patient with kidney disease. Etiology, pathogenesis, clinical picture, diagnosis, differential diagnosis, treatment. Features of ethics and deontology in patient management".
5. "A clinical case of a patient with a disease of the hematopoietic system. Etiology, pathogenesis, clinical picture, diagnosis, differential diagnosis, treatment. Features of ethics and deontology in patient management".

DEVELOPED BY:

Head of practice from the organization,
carrying out educational activities
activity (from VSMU)

AGREED:

Head of Practice

from the relevant organization

Approved at the meeting of the Medical Faculty Management Committee
(protocol no. ___ of _____ d.).

Dean's Office _____ Kalashnikova S. A.

Individual task accepted for execution

(Full name of the student)

(student's signature)

" ___ " _____ 20__ city of

The student has fully implemented the individual practice task. A set of knowledge, skills and abilities that form the competencies of the internship program is obtained.

Head of the practice from the profile
organizations

Head of practice from the organization,
carrying out educational activities
activity (from VSMU)

(signature)

(Full name)

" ___ " _____ 20__

Considered at the meeting of the Department of Faculty therapy " 24 " May 2023, Protocol No. 10.

Head of the Department

Faculty of Therapy, MD, Professor



Signature

A. R. Babaeva