

**THE MINISTRY OF EDUCATION AND SCIENCE OF
KYRGYZ REPUBLIC
OSH INTERNATIONAL MEDICAL UNIVERSITY**



DIARY

of the practical training as a «Assistant doctor in FMC»

(For 5th year students of the OIMU)

Total – 6 credits (180 hours)

Course – 5th year

Semester – IX

Examination – IX

Student:

Last name _____

First name _____

Group _____

Period of the practical training

From « ____ » _____ 202_ till « ____ » _____ 202_

GENERAL INFORMATION

Place of the practical training:

Health care institution name:

Hospital department:

Number of beds in the department:

Supervisor from hospital

Supervisor from University (OIMU)

The student is informed about the regulation on the industrial practice and safety during the practice.

Instruction was carried out by:

(Name and signature)

Familiarized:

(Student's signature)

PRACTICAL TRAINING PROGRAM

1. Aim of the discipline:

- Training a qualified specialist who knows how to carry out basic skills in the process of practical medical activity, has organizational, managerial, educational and research abilities, meets the requirements of a quality assurance system in the international educational process.

2. Objectives of the discipline:

- To acquaint students with the importance of the discipline “Assistant Physician of the FMC” in the training of the future doctor, its role in clinical medicine and its close relationship with other disciplines;
- To teach students to properly examine patients with the most frequent emergency conditions in the practice of a family doctor.
- To instill in students the skills of evaluating the data of the main and additional research methods of the patient with the most frequent pathologies in the clinic;
- To teach students to properly provide medical care to the population at the primary level of health care, the maintenance and execution of medical records.

The student should know:

- etiology and pathogenesis of the most common diseases of internal organs; practical skills used in cardiology, pulmonology, gastroenterology, etc.;
- modern laboratory examination methods for the diagnosis of diseases of internal organs;
- typical (classical) clinical manifestations and the course of the most common diseases of internal organs;
- classification, pharmacodynamics and pharmacokinetics, dosages, indications and contraindications of drugs;

- principles of emergency care in life-threatening conditions.

The student should be able to:

- to identify symptoms and syndromes; - use the accumulated knowledge to assign the patient with suspected disease of the internal organs of the necessary clinical, instrumental and laboratory examinations;
- find typical for these types of pathology deviations in the results of the examinations;
- conduct diagnostics and differentiation of diseases of the internal organs of the patient;
- to diagnose and differentiate diseases of internal organs in a patient;
- make a preliminary diagnosis, outline the amount of additional research to clarify the diagnosis & to formulate a clinical diagnosis;
- develop a patient treatment plan taking into account the course of the disease, select and prescribe drug therapy, use non-drug treatment methods;
- to send patients to hospitalization in a planned and emergency manner, given the severity of the disease.

The student should have:

- methods of general clinical examination; a minimum of practical skills for examining patients with diseases of internal organs;
- Skills in drawing up a plan for standard (clinical, laboratory, instrumental) examination of adults and adolescents;
- interpretation of the results of laboratory, instrumental examination methods;
- an algorithm for the preliminary and detailed clinical diagnosis;
- a modern arsenal of necessary medications and other types of therapeutic effects, as well as methods of clinical, instrumental and

laboratory control of safety, adequacy and effectiveness of the treatment;

- resuscitation care skills.

3. List of disciplines indispensable for the successful implementation of the program of practical training:

Prerequisites: "Normal and clinical anatomy", "Histology, embryology, cytology", "Normal and pathological physiology", "Microbiology, virology and immunology", "Pathological anatomy, clinical pathological anatomy", "Pharmacology", "Internal diseases 1, 2, 3", "Children's Diseases" and "Surgical Diseases" "Neurology and Neurosurgery", "Obstetrics and Gynecology".

Post requisites: internal diseases 4, hematology, geriatrics, family medicine, clinical residency in therapy and family medicine.

4. List of practical abilities and skills that the 5th year students of the international medical faculty are to master according to the program «Assistant doctor in FMC»:

- evaluate the patient's level of consciousness and the severity of the condition;
- collect anamnesis morbi and vitae, identify the main and additional complaints of the patient;
- carry out a physical examination of the patient according to the organs and systems: respiration, cardiovascular, gastrointestinal, biliary system, musculoskeletal system;
- identify and interpret the identified pathology;
- analyze and present the data obtained in the case history; justify the preliminary diagnosis;
- determine the plan of laboratory and instrumental examination in order to verify the diagnosis;
- interpret the results of laboratory tests: blood (clinical, biochemical, immunological, hemostasiological), urine, pleural, ascitic and cerebrospinal fluids;

- interpret the results of instrumental studies of internal organs and joints (electrocardiographic, spirographic, radiological, radiological, ultrasound, endoscopic);
- to perform differential diagnostics and formulate a clinical diagnosis;
- determine the likely prognosis and tactics of treatment;
- prescribe and approve etiologic, pathogenetic and symptomatic therapy, its duration;
- to determine the program of primary and secondary prevention, to set up an individual rehabilitation program;
- draw up a case history,

should be able to provide emergency assistance in case of:

- fainting;
- acute respiratory failure (pneumothorax, adult respiratory distress syndrome, pulmonary thromboembolism);
- asthma attack;
- acute coronary syndrome, unstable angina, myocardial infarction;
- shock (cardiogenic, anaphylactic, infectious-toxic, hemorrhagic);
- acute left ventricular failure;
- arrhythmias and blockades (paroxysmal tachycardia, atrial fibrillation and ventricles, severe bradycardia, Morgagni-Edems-Stokes syndrome);
- hypertensive crisis;
- acute violation of cerebral circulation;
- acute allergic reactions (urticaria, angioedema, laryngeal edema);
- acute renal failure;
- acute urinary retention;
- acute liver failure;

emergency assistance in case of the pulse and respiration, determining the

- coma (hypoglycemic, hyperosmolar, ketoacidotic, alcoholic, hepatic, renal, hyperthermic, epileptic, apopleptic, adrenal, etc.);
- thermal and solar shock;
- insect bites, animals, snakes;
- drowning and electric shock,

should be able to perform:

- blood pressure measurement;
- ECG recording and analyzing;
- determine the function of external respiration
- gastric lavage with a thick stomach tube;
- gastric sensing to study gastric secretion;
- bladder catheterization;
- carrying out cleansing enemas
- determination of blood group and rhesus factor
- stopping of capillary, venous and arterial bleeding;
- indirect heart massage;
- artificial respiration.

NOTE

During practice, students are required to obey the rules of the internal labor rules of hospital, to comply strictly safe security and sanitary and anti-epidemic regime.

At each procedure, know precisely the algorithm of the procedure, equipment, possible venue of performing procedures, forms of informing and consent of the patient about the procedure. Be aware of sterilization and the requirements for medical staff.

NOTICE FOR STUDENT

1. A student is allowed to pass the practice and has a right to pass the exam if he has fulfilled medical book with an admit-tance to work.
2. Diary of practical training is an official document. The practice cannot be accepted without diary practical training. Diary of should be filled in daily, neatly, written in legible handwriting and should be certified by a supervisor every day. At the end of the practice the diary must be assured by the signature the head of the department (head of the practice from hospital), of the university practitioner (from the OIMU), director of the hospital and hospital seal (of round form).

3. On the last day of practice the university practitioner (from the OIMU) issues characteristic of the student. Characteristic must be assured by the signature of the senior nurse (head of the practice from hospital), director of the hospital and hospital seal (of round form).
4. The university supervisor (from the OIMU) checks the diary conducts the interview with the student, evaluates practice in the light of characteristic of the head supervisor, quality of main-taining of the diary.
5. According to schedule on fixed day the student must attend the examination for practical training into the center of testing (OIMU) in a medical gown, medi-cal cap, carrying a medical mask, shoe covers, gloves.
6. On the examination to teachers you need to provide the diary of practical training (filled conforming to the model) with the seal of the hospital (of round form), and the characteristic (signed by director of the hospital and round seals), credit and medical books.
7. A student who has not executed a program the practice with-out a valid reason or has gross violation of discipline can be expelled from the faculty.

WORK PROGRAM

Clinical practice for 5th year students

«Assistant doctor in FMC»

IX semester – 180 hours (6 credits) – 4 weeks

Day	Topic	Short description	Hours	Place and equipment
1	Principles of family medicine. The main functional responsibilities of the family physician. Structure and principles of the Family Medicine Center.	Acquaintance with polyclinic	7.5 hours	Reception of patients in polyclinic.

2	Cough and shortness of breath in the practice of the family physician. Pneumonia. Bronchial asthma. Acute bronchitis. Chronic obstructive pulmonary	Know the rules for issuing a sick leave sheet. Causes of extratradition for various diseases	7.5 hours	Visit of patients at home
3	Arterial hypertension, chest pain and inspiratory dyspnea in the practice of the family doctor. Hypertension. Coronary heart disease. Angina pectoris. Chronic	Etiology, clinical features, classifications, differential diagnosis, diagnosis, treatment	7.5 hours	Reception of patients in a polyclinic
4	Pain in the epigastrium in the practice of the family physician. Peptic ulcer of the stomach and duodenum.	Examination of patients with diseases of the stomach, intestines.	7.5 hours	Patients, out patient cards F-88
5	Nephrotic syndrome in the practice of the family physician. Acute and chronic glomerulonephritis. Chronic pyelonephritis.	Examination of patients with acute and chronic glomerulonephritis, chronic	7.5 hours	Patients, out patient cards F-88
6	Anemia in the practice of the family physician. Iron deficiency anemia. B12-deficiency anemia.	Etiology, clinical features, classifications, differential diagnosis, diagnosis, treatment.	7.5 hours	Patients, card outline. Journal of monthly
7	Hyperglycemia in the practice of the family physician. Diabetes mellitus	Examination of patients with diabetes mellitus type and	7.5 hours	Patients
8	Pain in the joints and pain in the back in the practice of the family doctor. Rheumatoid arthritis. Osteoarthritis. Systemic sclerosis. Dermatomyositis. Current	Definition, classification, clinic, diagnosis, emergency care	7.5 hours	Patients on duty at the polyclinic

9	Emergency condition in the practice of the family doctor (an attack of bronchial asthma, hypertensive crisis, pulmonary edema, paroxysmal tachycardia).	Clinical picture of asthma attacks, stages, diagnosis. Cessation of seizures and treatment, provision of emergency care for	7.5 hours	Patients, on duty at the ambulance station
10	Prenatal care for pregnant women with normal pregnancies. Pregnancy. Physiological delivery.	Clinical picture, diagnostic criteria, severity and emergency treatment	7.5 hours	Pregnant
11	Obstetrical and gynecological diseases in family practice. Menstrual cycle disorders. Climax.	Clinic, emergency care	7.5 hours	Pregnant, female patients
12	Integrated management of pediatric patients. Breastfeeding. Assessment of the child's condition in various diseases from 2 months to 5 years.	Assessment of the condition of the child in various diseases from 2 months to 5 years old.	7.5 hours	Child from 2 months to 5 years old.
13	Integrated management of pediatric patients with acute respiratory viral infections, diphtheria and acute intestinal infections. Assessment of the severity of the infant in acute respiratory viral infections, diphtheria and acute intestinal infections.	Assessment of the condition of the child with ARVI, diphtheria and acute intestinal infections. From 2 months to 5 years old.	7.5 hours	Child from 2 months to 5 years old.
14	Nervous and mental illness in the practice of the family physician. Headache (tension, congestion, migraine). Panic disorder and agoraphobia. Anxiety disorder.	Etiological factors, stages, clinic, and emergency care	7.5 hours	Patients
15	Skin diseases in the practice of the family doctor. Dermatitis. Eczema.	Examination of patients with skin diseases	7.5 hours	Patients

16	Infectious diseases in the practice of the family doctor. Acute respiratory diseases. Flu. Brucellosis.	Etiological factors, stages, clinic, and emergency care	7.5 hours	Patients
17	Disease of the ENT in the practice of the family physician. Conjunctivitis. Acute otitis media. Rhinitis. Tonsillitis.	Clinic, stage, emergency care	7 hours	Patients
18	Emergency conditions: swollen throat, false croup, fainting, collapse, electric shock, heat and sunstroke. Bites. Emergency treatment and indications for	Clinic, stage, emergency care	7 hours	Patients
19	Diarrhea. Irritable bowel syndrome. Dysbacteriosis.	Examination of patients with diarrhea and FBD (functional bowel diseases).	7 hours	Patients
20	Outpatient surgery.	Examination of patients with surgical diseases	7 hours	Patients
21	Concluding session. Precepts of the Ministry of Healthcare of the Kyrgyz Republic.	Testing practical and theoretical skills.	2 hours	OIMU
22	Geriatric patient management	Examination of patients	7.5 hours	Patients
23	Palliative counseling Rehabilitation and Palliative Care	Clinic, stage, emergency care	7.5 hours	Patients
24	Clinical case discussion of diabetes	Examination of patients with diabetes mellitus type and	7.5 hours	Patients
25	Antenatal examination	Examination of patients	7.5 hours	Patients
Total			180 hours	

Example of fulfilling of the diary of practice:

Date: 03/11/2025. 8.30 a.m. - 3 p.m.

Completed work:

I got acquainted with the organization of work and the structure of the hospital.

I worked in the front desk. I took patients and filled out medical records.

I advised the patient about diet.

I prescribed treatment for a patient with exacerbation of chronic pyelonephritis.

(Describe the procedure for one patient)

Signature of Practice supervisor: _____

Date: «__» _____ 202_.

Work performed:

Direct observation of procedural skills

Interventions:

№	Name of procedural skills	Recommended number of	Carried out under the supervision of the	Carried out independently
1	Measurement of blood pressure	30		
2	Performing and basic transcription of an ECG	10		
3	Pulse oximetry	50		
4	Picfloumetry	15		
5	Glucometry	10		
6	Calculation of single and daily doses of medicines for children	10		
7	Stopping external bleeding - bandage, - tourniquet	5		
8	Ventilation, airway management (use of Ambu bag)	2		
9	Assessment of neurological symptoms (motor function, sensitivity, meningeal symptoms)	10		
10	Application and removal of skin sutures	5		
11	Primary surgical wound care	5		
12	Application of external bleeding control techniques	5		
13	Local anaesthesia according to A.V. Vishnevsky	5		

14	Dissection of panaricles, furuncles	5		
15	Burn surface treatment	2		
16	Anterior nasal tamponade	5		
17	Bladder catheterisation with soft catheter	5		
18	Rectal examination	2		
19	Diagnosis of acute appendicitis	5		
20	External obstetric examination	5		
21	Fetal heartbeat auscultation	5		
22	Contraception counselling	10		
23	Pregnancy diagnosis	5		
24	Breast exam and self-examination training for women	5		
25	Interpretation of basic results of instrumental examinations (X-rays, ultrasound, esophagogastroduodenoscopy, respiratory function)	10		
Total: 25		226		

Signature of supervisor (from the hospital)

Signature of the university supervisor (from the OIMU)

Characteristics of the student, who passes practical training is written at the end of the diary, after a summary report on the done work (a list of practical skills) and the seal of the hospital (the round form). Characteristics should be signed by the senior nurse (head of the practice of hospital), the university practitioner (from the OIMU) and the director of the hospital.

When writing characteristics of the student it should reflect the following characteristics:

- a) the level of theoretical training;
- b) possession of practical skills;
- c) implementation of bases of ethics (relationships with patients, their relatives and co-workers).

