

MINISTRY OF SCIENCE, HIGHER EDUCATION
AND INNOVATION OF THE KYRGYZ REPUBLIC
OSH STATE UNIVERSITY
INTERNATIONAL MEDICAL FACULTY



DIARY

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

(for 5th year students of the IMF)

Total – 6 credits (180 hours)

Course – 5th year

Semester – IX

Examination – IX

Student:

Last name Sonje

First name Divya

Group 22

Period of the practical training

From «10» 11 2025 till «27» 12 2025

Osh – 2025

- ✓ Developing a plan for standard clinical, laboratory, and instrumental examinations of adult and adolescent patients.
- ✓ Interpreting laboratory and instrumental examination results.
- ✓ Applying the algorithm for establishing preliminary and detailed clinical diagnoses.
- ✓ Utilizing a modern range of pharmacological agents and therapeutic interventions, as well as methods for clinical, laboratory, and instrumental monitoring of treatment safety, adequacy, and effectiveness.
- ✓ Providing basic resuscitation and emergency medical care.

3. List of disciplines essential for the successful completion of the practical training program:

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. Practical Competencies and Skills to Be Mastered by 5th-Year Students of the International Medical Faculty under the Program "Assistant Physician in the Family Medicine Center (FMC)":

- ✓ Assess the patient's level of consciousness and severity of the condition.
 - ✓ Collect comprehensive anamnesis morbi and vitae, identifying main and additional complaints.
 - ✓ Conduct a systematic physical examination according to organ systems: respiratory, cardiovascular, gastrointestinal, biliary, and musculoskeletal.
 - ✓ Detect, identify, and interpret pathological findings.
 - ✓ Analyze and present clinical data from the patient's case history.
 - ✓ Justify the preliminary diagnosis.
 - ✓ Plan and perform appropriate laboratory and instrumental examinations to verify the diagnosis.
 - ✓ Interpret laboratory test results, including blood (clinical, biochemical, immunological, hemostasiological), urine, pleural, ascitic, and cerebrospinal fluids.
 - ✓ Interpret results of instrumental studies of internal organs and joints (ECG, spirometry, radiology, ultrasound, endoscopy).
 - ✓ Perform differential diagnosis and formulate a clinical diagnosis.
 - ✓ Determine prognosis and outline treatment strategies.
 - ✓ Prescribe and manage etiologic, pathogenetic, and symptomatic therapy, including duration.
 - ✓ Develop programs for primary and secondary prevention and create individualized rehabilitation plans.
 - ✓ Accurately document all findings and procedures in the patient's case history.
- Students should be able to provide emergency medical care in the following situations:**
Cardiovascular and Respiratory Emergencies:
 Fainting (syncope).

- Acute respiratory failure, including pneumothorax, adult respiratory distress syndrome, and pulmonary thromboembolism.
- Asthma attacks.
- Acute coronary syndromes, including unstable angina and myocardial infarction.
- Shock (cardiogenic, anaphylactic, infectious-toxic, hemorrhagic).
- Acute left ventricular failure.
- Arrhythmias and conduction disturbances (paroxysmal tachycardia, atrial fibrillation/flutter, severe bradycardia, Morgagni-Adams-Stokes syndrome).
- Hypertensive crises.
- Acute cerebrovascular events (stroke).

Allergic and Immunologic Emergencies:

Acute allergic reactions, including urticaria, angioedema, and laryngeal edema.

Renal, Urinary, and Hepatic Emergencies:

Acute kidney injury.

Acute liver failure.

Coma and Metabolic Emergencies:

Coma of various etiologies: hypoglycemic, hyperosmolar, ketoacidotic, alcoholic, hepatic, renal, hyperthermic, epileptic, apoplectic, adrenal, etc.

Other Emergency Situations:

Thermal and solar shock.

Insect bites, animal and snake bites.

Drowning, Electric shock.

General Emergency Skills:

Assessment of pulse and respiration.

Immediate life-saving interventions and stabilization measures according to the type of emergency.

Students should be able to:

- ✓ Measure blood pressure accurately.
- ✓ Record and interpret electrocardiograms (ECG).
- ✓ Assess the function of external respiration.
- ✓ Perform gastric lavage using a thick stomach tube.
- ✓ Conduct gastric sensing to evaluate gastric secretion.
- ✓ Catheterize the urinary bladder.
- ✓ Administer cleansing enemas.
- ✓ Determine blood group and Rh factor.
- ✓ Control capillary, venous, and arterial bleeding.
- ✓ Perform indirect heart massage (cardiac compression).
- ✓ Provide artificial respiration.

NOTE

During practical training, students are required to adhere to the hospital's internal labor regulations and strictly comply with safety, sanitary, and anti-epidemic protocols.

For each procedure, students must:

- ✓ Know the exact algorithm of the procedure, including the required equipment and possible locations for its performance.

- ✓ Understand the process of obtaining patient consent and informing the patient about the procedure.
- ✓ Be familiar with sterilization procedures and the standards and requirements for medical personnel.

NOTICE FOR STUDENT

Rules and Requirements for Practical Training

1. A student is allowed to attend practical training and has the right to take the examination only if they possess a valid medical book with clearance for work.
2. The diary of practical training is an official document. Practical training cannot be accepted without a properly maintained diary. The diary must be filled in daily, neatly, in legible handwriting, and certified by the supervisor each day. At the end of the practice, the diary must be signed by:
 - ◆ The head of the department (or hospital practice supervisor)
 - ◆ The university practitioner (from the IMF)
 - ◆ The director of the hospital
 - ◆ The hospital seal (round form)
3. On the last day of practice, the university practitioner (from the IMF) issues a student characteristic. This document must be signed by:
 - ◆ The senior nurse (head of practice from the hospital)
 - ◆ The director of the hospital
 - ◆ The hospital seal (round form)
4. The university supervisor (from the IMF) reviews the diary, conducts an interview with the student, and evaluates the practice based on the characteristic from the head supervisor and the quality of diary maintenance.
5. On the scheduled examination day, students must attend the practical training exam at the Center of Testing wearing: Medical gown, Medical cap, Medical mask, Shoe covers, Gloves. At the examination, students must present: The practical training diary, filled according to the model and sealed by the hospital. The characteristic, signed by the hospital director and sealed.
- Credit book and medical book
6. A student who has not completed the practical training program without a valid reason or who commits gross violations of discipline may be expelled from the faculty.

WORK PROGRAM Clinical practice for 5th year students «Assistant doctor in FMC» IX semester – 180 hours (6 credits)

| Days | Topic | Hours | |
|------|--|----------------|-----------|
| | | practice-based | IWS |
| 1 | Organizational and methodical meeting with the students, preparing them for the internship (assistant to the doctor of FMC). | 3,5 | |
| 2 | Fulfillment of individual tasks - work in the polyclinic, as an assistant in the FMC. | 7,5 | 8 |
| | Filling out the outpatient medical record. | 10 | 10 |
| 3 | On-call work. Curation of 2-3 patients. | 8 | 8 |
| 4 | Organization of work of in-patient homes. | 8 | 8 |
| 5 | Working in day care centers. | 7,5 | 7,5 |
| 6 | Emergency care in the practice of the family doctor | 8 | 8 |
| 7 | Carrying out preventive check-ups for the decreed population. | 7,5 | 7,5 |
| 8 | Implementation of vaccination, immunoprophylaxis. | 7,5 | 7,5 |
| 9 | Examination of patients' temporary disability, referral to the bureau of medical and social expertise. | 7,5 | 7,5 |
| 10 | Antenatal care for pregnant women with normal pregnancy. Physiological pregnancy. Physiological birth. Outpatient surgery | 7 | 7 |
| 11 | Carrying out health improvement, preventive and anti-epidemic measures. | 4 | 7 |
| 12 | Credit with a grade - certification of students at the end of the internship, summarizing the results of the internship | 4 | 4 |
| | Total | 90 | 90 |
| | | 180 | |

Example of fulfilling of the diary of practice:

Date: 10/2025, 9 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: «13» 11 2025

Work performed:

I learned IV insertion, Intubation, BLS steps, ACLS steps and more further. I performed IM, subcutaneous injection, Intradermal injection on dummy by learning angles of injections.

Learned Basic life support stages including safety scene, checking ABC, performing CPR with rescue breaths in ratio 30:2 on dummy pt.

Signature of supervisor:

Date: «13» 11 2025

Work performed:

By observing patient check for present complaints, By asking history of patient. Then check for vitals like temperature, Blood pressure, Oxygen saturation, Respiration, after that I explain patient that which kind of precautions should be taken.

Signature of supervisor:

Date: «20» 11 2025

Work performed:

I performed ECG on pt learnt the positions of all V₁-V₆ leads and arm and leg leads. Learned about basic interpretation in patient presenting complaints with chest pain, discomfort and HTN.

Signature of supervisor:

Date: «20» 11 2025

Work performed:

I performed general physical examination of adult patient presenting complaints with fever, weakness and body pain.

I assessed the neurological symptoms including sensory and motor functions.

Signature of supervisor:

Date: «17» 11 2025

Work performed:

I assisted in calculating appropriate medication doses and understanding drug interaction and indication.

I also listed name of drugs with their contra indications. I also learned about dosage and route of administration.

Signature of supervisor:

Date: «17» 11 2025

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Work performed:

I assisted in primarily surgical wound care, dressing of minor cuts and managements of superficial Burns.

I observed control of external bleeding by using pressure bandage techniques.

Signature of supervisor:

Date: «4» 12 2025

Work performed:

I participated in preventive health services including Contraception counselling.

I observed patient who come complaints like pelvic inflammatory disease. Learned history taking, examination, diagnosis and treatment given by consultant.

Signature of supervisor:

Date: «4» 12 2025

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Work performed:

I got acquainted with the workflow of the pediatrics department. I measured weight, presenting complaints, check for vitals including temperature, pulse, oxygen saturation.

Signature of supervisor:

Date: « 11 » 12 2025

Work performed:

I assisted in antenatal checkups of pregnant women with normal pregnancy. I measured blood pressure, weight, and fundal height, observed fetal heart rate sounds, and assisted in minor outpatient procedure like wound dressing and suturing observation.

Signature of supervisor:

Date: « 11 » 12 2025

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Work performed:

I assisted in vaccination procedures. I prepared vaccines under aseptic precautions, observed vaccines administration, monitored patients for adverse reactions and helped in maintaining immunization registers.

Signature of supervisor:

Date: « 16 » 12 2025

Work performed:

I participated in health education activities. I counseled patients regarding personal hygiene, nutrition, vaccination, prevention of communicable diseases. I assisted in screening during seasonal infections and followed antiepidemic protocols.

Signature of supervisor:

Date: « 18 » 12 2025

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