

MINISTRY OF EDUCATION AND SCIENCE OF THE
KYRGYZ REPUBLIC
MINISTRY OF HEALTH OF THE KYRGYZ REPUBLIC
INTERNATIONAL MEDICAL UNIVERSITY «AVICENNA»

«Agreed» by the
Chairman of the EMC

Protocol № 4/1

on «07» 02 2024



«Approved» by the
Rector Baigazakov A

Protocol № 4/1

on «07» 02 2024



PRACTICE PROGRAM FOR INTERNATIONAL MEDICAL STUDENTS
«ASSITANT PARAMEDIC FOR EMERGENCY AND URGENT CARE»

Speciality: **560001 «General Medicine»**

Cipher: 560001

Faculty: «General Medicine in English»

Semester: 5th _____

Hours: 60 _____

**The educational and methodical complex is compiled according
to the requirements of the State educational standard
in the specialty: 560001 «General Medicine»**

The educational and methodological complex was developed by: Rezhepov A.

Telephone number: +996505009891

Bishkek 2024

GENERAL PROVISIONS

- The practice program is developed based on:
- The Law of the Kyrgyz Republic dated April 30, 2003, No. 92 "On Education";
- The order of the Ministry of Health of the Kyrgyz Republic dated April 16, 2012, No. 362 "On approval of the procedure for organizing and conducting practical training on the main educational programs of secondary, higher, and postgraduate medical and pharmaceutical education, additional professional educational programs";
- The requirements of the State Educational Standard of Higher Professional Education in the specialty "General Medicine";
- The Charter of the Educational-Scientific-Production Complex of the International University of Kyrgyzstan, the Regulations of the IMU (AVICENNA).

TASKS AND CONTENT OF INDUSTRIAL PRACTICE . Industrial practice of students is an essential link in the training of medical personnel and constitutes an integral part of the educational process. The main task of industrial practice is to obtain and improve practical knowledge and skills by future doctors in patient care, diagnosis, and medical assistance, familiarization with the organization and working conditions of middle medical personnel and doctors in regional, city, and district hospitals, outpatient services of polyclinics, and ambulance stations.

ORGANIZATION OF INDUSTRIAL PRACTICE 1. The industrial bases for students of the medical faculty of the IMU AVICENNA are regional, city, and district healthcare institutions in the city of Bishkek. 2. For valid reasons, students may undergo practice outside the industrial bases of the IMU AVICENNA specifically in healthcare institutions in their home country (provided there is a written application from the student with the visa of the dean of the faculty and the head of the industrial practice, as well as a petition from the head of the off-base healthcare institution). 3. The practice periods and distribution of students across bases are approved by the order of the rector of the IMU AVICENNA It is not allowed to shorten the practice periods or change the practice bases independently. 4. Depending on the working regime of the healthcare institution, students may work a six-day work week. The working day duration with a six-day work week is

8 hours. During the practice, the student must perform a certain number of duties. After duty, the practice program does not provide for exemption from work. 5. A student undergoing practice is obliged to:

- Undergo medical examinations annually;
- Arrive at the place of practice and start it on time;
- Study and strictly adhere to labor protection and safety rules, internal labor regulations, and the basics of the Kyrgyz Republic's legislation on public health protection;
- Complete the industrial practice program;
- Be responsible for the work performed and its results on par with regular employees;
- Keep a practice diary, recording all completed work;
- Submit a written report on all assignments and pass the practice assessment to the practice supervisors;
- Timely submit all necessary documentation to the teacher responsible for industrial practice at the medical faculty within the period specified in the practice order

SUMMING UP THE PRACTICE

At the end of the practice, the student must fully complete all reporting sections of the diary. The direct supervisor of the practice checks and signs it and provides a work characterization of the student with an evaluation based on a five-point scale. The diary must be signed by the direct supervisor of the practice on each page. Work in auxiliary departments, such as the central sterilization department, and offices (X-ray, functional diagnostics, physiotherapy, etc.) must be verified by the signature of the doctor or middle medical personnel of the corresponding department and office. At the end of the practice, the report and characterization of the student are signed by the direct supervisor of the practice.

Students who, for valid reasons, undergo practice outside the educational bases of the IMU AVICENNA, must provide a practice report signed by the direct supervisor of the practice and certified with the seal of the healthcare institution. Without the signature and seal of the healthcare institution, the practice is considered invalid. At the end of the practice at the production bases, a pass/fail assessment is conducted. The final grade for the practice is given by the supervisor based on the student's characterization, the quality of the practice diary, and the

results of the pass/fail assessment. Additionally, the conduct of health education work is taken into account.

A grade of "excellent" is given based on the following criteria:

- The practice program, including health education work, is completed fully and without remarks;
- The student had no disciplinary violations;
- The diary provides a clear understanding of the completed work, and the entries in the diary are well-written;
- The student has an excellent characterization from the direct supervisor of the practice.

A grade of "good":

- The practice program is fully completed;
- The student had minor violations of the work schedule, such as occasional tardiness;
- The diary is written formally;
- The characterization given by the direct supervisor of the practice is good.

A grade of "satisfactory":

- The practice program is completed, but there are significant omissions;
- The student did not master all the procedures and approached the work carelessly;
- The diary is poorly maintained, with errors;
- The student is characterized as mediocre.

A grade of "unsatisfactory":

- The practice program is not completed, and the student has a negative characterization.

When undergoing practice at the clinical bases of the IMU AVICENNA, the diary is submitted for review to the practice supervisor in the last two days of the practice and, after review, to the dean's office of the IMU AVICENNA. Students who underwent practice at other bases must submit their diaries to the industrial practice department no later than the first week of the fall semester. Students who underwent practice individually must pass the assessment with the general practice supervisor within the first two weeks of the fall semester. A student who receives an unsatisfactory grade for industrial practice is sent for repeat practice during the

student holidays or in the evening during the fall semester. In certain cases, the rector may consider the issue of expelling students from the university.

Conducting Industrial Internship

for 5th semester students

Assistant Doctor in Emergency Medical Care Internship

Industrial internships for second-year students are conducted during the second semester of the second year and last for 20 weeks. Students work as assistant doctors in emergency medical care at emergency care stations and substations.

Objective of the Internship: To master the duties of an emergency medical care doctor (paramedic), learn to independently perform certain medical procedures and manipulations, provide initial medical assistance at pre-hospital levels, gain experience working in a real medical team.

What Students Should Know:

- The structure and organization of emergency medical services (EMS), performance indicators.
- Functional capabilities and equipment of all EMS units.
- Organization of EMS work (ECG monitoring, assessment of vital functions, ALS, etc.).
- Functional duties of an EMS doctor.
- Dispensary method of work in the polyclinic.
- Organization of conducting anti-epidemic measures during callouts.
- Standards for sanitary and educational work.
- Structure and organization of emergency medical care stations (what is where in the vehicle), key performance indicators (response timeliness, call duration).

Skills Students Should Have:

Type of Work Done	Level of Mastery	Quantity
Recording, decoding, and assessment of ECG	2	-
Closed heart massage, artificial respiration "mouth to mouth"	2	10
First medical aid for fainting, hypertensive crisis, angina	2-3	10
First medical aid for myocardial infarction, pulmonary edema, pulmonary embolism, bronchial asthma attack, shock, coma, acute cerebrovascular accident	2	10

Levels of Mastery of Skills

1. Have an understanding, be professionally oriented, know the indications for implementation.
2. Know, assess, participate.
3. Perform independently.

pathologies, indicating the first letter of the surname, age of the patient, diagnosis explaining the reason for the call, assistance provided (name of drugs in Latin, % solution, quantity, solvent, and route of administration - IV, IM, subcutaneous, etc.).

8. Mandatory for completion on separate additional sheets are the following medical documents: sick leave certificate, emergency call card, accompanying sheet of the emergency care station, and two prescription forms with the prescription of the medicinal product.

9. Participation in conferences, conducted sanitary-educational work are documented in the relevant sections of the diary and certified by the signature of the immediate internship supervisor.

10. The results of work during the internship are summarized in a summary report. Space is provided in the diary for student comments and suggestions regarding the internship.

11. The diary is checked and signed on each page by the immediate internship supervisor. The student's work characteristics in the polyclinic and emergency care station are formalized separately by the head of the polyclinic department and the head of the emergency care substation. The characteristics reflect the level of theoretical training, practical skills, knowledge of prescription, expertise issues, deontology, recommended assessment for the internship. The characteristic is certified by the signature of the chief physician of the polyclinic (emergency care station) and the stamp of the medical institution. If these signatures and stamps are absent, the internship is not counted.

12. The final assessment of the internship is given by the internship supervisor of the educational institution after checking the diary, taking into account the student's work characteristics and the results of the internship exam.

13. On the clinical bases of the educational institution, the diary is submitted to the educational institution's internship supervisor on the day of the exam. Students who worked at other production bases submit the diary to the internship department no later than September 15 of the current year.

Type of Work Done	Level of Mastery	Quantity
Servicing an ambulance call	3-2	30
Completion and maintenance of medical documentation: - referral form for hospitalization (f28)	3	10
- emergency notification of infectious disease (f-058/u)	3	20
- investigation card for intestinal infection focus (f-171)	3	20
- outpatient card extraction upon request	2	20

- Properly fill out documentation relevant to EMS doctors.
- Prescribe prescriptions for common medications.
- Determine the indications for hospitalization of patients with therapeutic profiles and implement hospitalization in emergency and planned order.
- Use legislative provisions and instructions for assessing work capacity; determine the reason for temporary incapacity, criteria for recovery, and restoration of work capacity.
- Determine the minimum necessary laboratory and instrumental studies for diagnosis, informative for establishing a diagnosis.
- Interpret the results of examinations (analyses, ECGs, and other functional methods, endoscopy, radiological examination, etc.).
- Provide patients with recommendations for primary prevention, healthy lifestyle considering their health status.

Internship Diary Formatting Rules:

1. The internship diary is an official document for the internship. It must be written legibly, correctly, and in medical language.
2. Entries in the diary are made daily at the end of the working day and should reflect all the work done in the hospital departments.
3. The completed work is verified daily by the signature of the nursing staff (stationary, procedural department, dressing room, etc.).
4. At the beginning of the internship report, a brief description of the department is given: department profile, number of beds, department staff, availability of auxiliary offices, etc.
5. After completing the internship, based on the diary entries, the student must complete a summary digital report on the work done.
6. Sanitary and educational work is carried out in the form of conversations, issuing bulletins; its content, place, and time of conduct should be reflected in the diary and certified by the signature of the immediate internship supervisor.
7. When working at an emergency medical care station, a brief description of the substation (department), the number of medical, specialized, and paramedic teams, key performance indicators, equipment of linear teams, orders under which emergency medical care is organized (the first day of work out of 6) is drawn up in the diary. In the daily report, it is necessary to indicate the number of calls the student responded to, describe at least 3 calls per shift with different urgent