



APPROVED BY
President of RMU



SYLLABUS

Practical Training Programme

Specialty 560001 — General Medicine (5-year programme)

Type of Practice: HOSPITAL PHYSICIAN ASSISTANT (THERAPY & PEDIATRICS)

1. Course Information

Form of study	Full-time
Profiles	Internal Medicine (Therapy), Pediatrics
Year / Semester	Year 4 / Semester 7
Total workload	4 credits (120 academic hours)
Duration	4 weeks (20 working days), 6 hours/day, 5-day week
Type of assessment	Pass/Fail with rating score
Practice base	Clinical hospitals of Bishkek

Bishkek 2023



2. Brief Description

During this placement the student works as a hospital physician's assistant in therapeutic and pediatric departments. The practice is supervised by RMU teaching assistants and is an integral part of the professional training of a future physician (including international students).

3. Aim of the Practice

To consolidate and deepen the theoretical preparation and practical skills of students, to acquire the ability to use medical equipment and instruments, and to gain experience of independent professional activity in the hospital setting.

4. Learning Objectives

- Consolidate knowledge of the work of a hospital physician in therapy and pediatrics.
- Organise the work of medical personnel and define the optimal algorithm for performing duties.
- Apply measures of occupational safety, prevention of occupational diseases and ecological safety.
- Reinforce medical ethics and deontology.
- Take part in anti-epidemic and sanitary-educational work with the population.
- Reinforce clinical examination skills in therapy and pediatrics; syndromic analysis.
- Draft and interpret an examination plan for the patient.
- Maintain hospital documentation in accordance with the medico-economic standards of the Mandatory Medical Insurance Fund.
- Familiarise with the procedure for prescribing potent, narcotic and high-cost drugs; the work of physiotherapy, pathology and other clinical departments.

5. Competencies Formed

PC-1	Able to follow medical ethics, legislation on confidential information and to keep medical secrecy.
PC-5	Able to conduct and interpret interview, physical examination, clinical examination, results of laboratory and instrumental tests, and to write a medical record of an outpatient or inpatient (adult or child).
PC-14	Able to make a diagnosis on the basis of biochemical and clinical findings.

6. Content of the Practice — Internal Medicine

- Organisation of clinical institutions; arterial hypertension syndrome.



- Chronic heart failure; acute and chronic coronary insufficiency.
- Inflammatory diseases of the myocardium, endocardium, pericardium.
- Rhythm and conduction disorders.
- Anemia; pulmonary consolidation; bronchial obstruction.
- Hyper-airiness of lung tissue; respiratory failure; cor pulmonale.
- Disorders of glucose tolerance; thyroid hyper- and hypofunction.

7. Content of the Practice — Pediatrics

- History-taking and physical examination in pediatrics.
- Pneumonia, bronchopneumonia, pleural disease in children.
- Congenital heart defects; congenital malformations.
- Musculoskeletal disease (chest deformities, hip dysplasia); rickets; birth trauma.
- Urinary tract infections; AKI; CKD.
- Autoimmune diseases (SLE, systemic scleroderma).

8. The Student Must Know

- Legal norms regulating the doctor–nurse–patient relationship.
- Clinical manifestations, examination and treatment of common diseases.
- Indications for functional and instrumental diagnostic methods.
- Methodology of sternal and pleural puncture, Holter monitoring, VEM, spirometry, peak-flow.
- ECG recording technique.

9. The Student Must Be Able To (under supervision)

- Collect complaints and history; perform physical examination of a therapeutic or pediatric patient.
- Maintain a complete inpatient medical record.
- Record and interpret an ECG; interpret spirometry.
- Curate pediatric patients; take part in evening duty and the management of severe cases.
- Examine newborns; perform percussion, palpation, auscultation, skin examination.
- Perform venipuncture independently; participate in IV / IM / SC injections and infusions, venous catheterisation, blood-group determination, chest X-ray, abdominal ultrasound, ECG, VEM, spirometry.

10. Assessment

The student keeps a daily practice diary signed by the supervisor and a Journal of Practical Skills. The final report is prepared on the last day; the attending physician writes a character reference. Final control — differentiated pass/fail examination by



commission at the Simulation Centre immediately after the cycle. The student presents the practice diary with character reference.