



APPROVED BY
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SYLLABUS

Practical Training Programme

Specialty 560001 — General Medicine (5-year programme)

Type of Practice: HOSPITAL PHYSICIAN ASSISTANT (PEDIATRICS)

1. Course Information

Form of study	Full-time
Profile	Pediatrics
Year / Semester	Year 4 / Semester 8
Total workload	3 credits (90 academic hours)
Duration	3 weeks (15 working days), 6 hours/day, 5-day week
Type of assessment	Pass/Fail with rating score
Practice base	Pediatric departments of clinical hospitals of Bishkek



2. Brief Description

Year-4 students work as hospital physician assistants in pediatric departments. The placement deepens clinical reasoning in pediatrics, develops competence in early diagnosis of common pediatric diseases, in management of inpatient children, and in providing first physician aid in pediatric emergencies.

3. Aim of the Practice

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

4. Learning Objectives

- Consolidate knowledge of the work of a pediatric-department physician.
- Organise the work of medical personnel and define the optimal algorithm.
- 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.
- Reinforce clinical examination of pediatric patients and syndromic analysis.
- Draft and interpret an examination plan; maintain medical documentation under MMI standards.
- Familiarise with the procedure for prescribing potent, narcotic and high-cost drugs in pediatrics.

5. Competencies Formed

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| PC-13 (Professional) | Able to carry out anti-epidemic measures and protection of the population in foci of especially dangerous infections, deterioration of the radiological situation, natural disasters and other emergencies. |
| PC-28 (Professional) | Able to ensure rational organisation of the work of middle and junior medical personnel in treatment-and-prevention institutions. |

6. Content of the Practice

- Features of history-taking and physical examination in pediatrics.
- Pneumonia, bronchopneumonia, pleural disease in children.
- Congenital heart defects; congenital malformations.
- Musculoskeletal disease in children: chest deformities, hip dysplasia.
- Rickets; birth trauma.
- Urinary tract infections; AKI; CKD.



- Autoimmune diseases in children: SLE, systemic scleroderma.

7. The Student Must Know

- Legal norms regulating the doctor–nurse–patient relationship in pediatric care.
- Clinical manifestations, examination and treatment of common pediatric diseases.
- Indications for functional and instrumental diagnostic methods used in pediatrics.
- Indications for sternal and pleural puncture in children; ECG recording technique in pediatrics.

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

- Curate pediatric patients; fill in case histories; take part in evening duty.
- Take part in the management of severely ill children; examine newborns.
- Perform percussion, palpation, auscultation, skin examination; assess condition by physical examination, X-ray and ultrasound.
- Perform first toilet of the newborn; perform venipuncture independently.
- Participate in IV / IM / SC injections; preparing and administering IV drips.
- Take part in blood group / Rh determination; chest X-ray, abdominal ultrasound, ECG, spirometry; medical documentation.

9. Practice Diary

The student keeps a daily practice diary signed by the supervisor and a Journal of Practical Skills. The student participates in sanitary-educational and preventive activities of the department, production meetings and clinical conferences. On the last day a final report is prepared and the attending physician writes a character reference.

10. Assessment

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.