

Review

Of the Work Program for the discipline "Clinical Pharmacology"
For: 4th-year students of the General Medicine Faculty, specializing "General Medicine,"
5-year full-time curriculum, for international students.
Developed by: The Department of "Pathology, Basic and Clinical Pharmacology" of the
International Medical Faculty, Osh State University.

The submitted work program includes sections on: the goals and objectives of the Clinical Pharmacology discipline, the place of the discipline in the structure of the Basic Educational Program (BEP), the total workload of the discipline, learning outcomes presented as formed **competencies**, educational technologies, types of assessment tools, discipline content and academic calendar plan, a list of practical skills, and educational-methodological and material-technical support for the discipline.

The work program presents the discipline's modules and its interdisciplinary links with subsequent (ensuring) disciplines. The submitted review states that the work program **complies with the requirements of the State Educational Standard (SES)** and reflects current trends in teaching clinical disciplines in higher medical education.

Structural and Methodological Analysis: The program demonstrates **logical completeness and a clear structure**. It fully presents the goal setting, the discipline's role in the BEP structure, the total workload, and learning outcomes in the format of competencies. The content of the discipline is logically structured into modules: "**General Issues of Clinical Pharmacology**" and "**Specific Issues of Clinical Pharmacology**," ensuring the sequential development of clinical thinking in students. Necessary interdisciplinary links are clearly traced.

The **integration of advanced educational technologies** is an undisputed advantage of the program. The authors justifiably implement **Problem-Based Learning (PBL)** and **Team-Based Learning (TBL)** methods, which are critically important for forming clinical decision-making skills. The use of **Research-Based Learning (RBL)**, which fosters the development of evidence-based skills, also deserves special attention, as does the integration of **Virtual Reality (VR)** and **Augmented Reality (AR)** technologies for the visualization of complex pharmacokinetic processes.

This methodological approach ensures high motivation among international students and contributes to the effective mastering of the material.

Recommendations: Despite the high level of program development, the following recommendations are offered for its further improvement:

1. **Literature Update:** Considering the specifics of teaching international students and the requirements of evidence-based medicine, it is recommended to expand the list of core and supplementary literature to include **current International Clinical Guidelines** and references to authoritative English-language databases (e.g., UpToDate or Medscape).
2. **Detailing Assessment Criteria:** Since the program places significant emphasis on interactive methods (PBL, TBL), it is advisable to **more clearly detail the criteria for assessing the student's individual contribution** to group work and their communication

skills within the fund of assessment tools, in order to ensure maximum objectivity of control.

Conclusion: The work program for the discipline "Clinical Pharmacology," regarding its content, scope, and level of methodological elaboration, **fully complies with the requirements of the SES** for specialty 560001 "General Medicine." The program is **recommended for approval and use** in the educational process of the International Medical Faculty of Osh State University.

Reviewer:

DR. SIRAJ AHMAD



(Signature)

