

# AMENDMENTS AND CHANGES TO THE CURRICULUM IN THE EDUCATIONAL DISCIPLINE

Clinical Pharmacology  
for the specialty 1-79 01 01 General Medicine

2023/2024 academic year

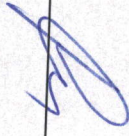
Amendments and changes	
1. The list of practical skills is relevant (attached)	Basis/Reason Department meeting of 08.06.2023
2. List of lectures revised and updated (attached)	Department meeting of 08.06.2023
3. The list of literature recommended for use in the 2023-2024 academic year has been updated (attached)	Department meeting of 08.06.2023
4. The content of the topic «Clinical pharmacology of antiviral, antifungal and antiparasitic drugs. Principles of treatment of acute respiratory viral infections» has been updated and the following information has been added: Ensuring epidemiological safety in the provision of medical care	Письмо Министерства здравоохранения Республики Беларусь № 4-38/7173 от 06.04.2023 «О выполнении плана мероприятий»
5. The content of the topic «Clinical pharmacology of drugs used in diseases of the respiratory system» has been updated and the following information has been added: Provision of emergency medical care in case of an attack of bronchial asthma, the content of the topic «Clinical pharmacology of medicines used in cardiology» has been updated and the following information has been added: Provision of emergency medical care for uncomplicated and complicated hypertensive crises, acute coronary syndrome; the content of the topic «Clinical pharmacology of drugs used in gastroenterology» has been updated and the following information has been added: Provision of emergency medical care for hepatic and renal colic. The content of the topic «Clinical pharmacology of antibacterial drugs. Fundamentals of Rational Antibiotic Therapy» has been updated and the following information has been added: Antibiotic therapy for sepsis, in patients with abdominal infection, with urinary tract infection, with pneumonia, with infection of the skin and soft tissues, with primary angiotonic infection (including catheter-associated) with taking into	Письмо Министерства здравоохранения Республики Беларусь № 4-38/7922 от 15.04.2023



account the risk stratification of multidrug-resistant pathogens and invasive candidiasis.

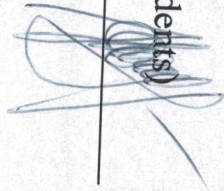
The curriculum is revised and approved at the meeting of  
The Department of Clinical Pharmacology (protocol # 13 of 08.06. 2023)

Head of the department  
PhD, Associate Professor

  
\_\_\_\_\_  
I.S. Romanova

APPROVED

Dean of the Faculty  
(Medical Faculty of International Students)  
PhD, Associate Professor

  
\_\_\_\_\_  
O.S. Ishutin

**List of academic discipline literature recommended for  
2023-2024 academic years**

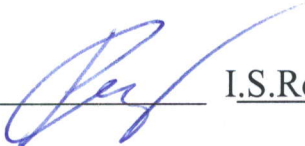
**Basic:**

1. Dowd F. J. Pharmacology and therapeutics for dentistry. – 7th ed. – Missouri Elsevier, 2017. – 666 p.

**Additional:**

2. Bennett P.N. Clinical pharmacology.- Edinburgh, 2012.- 667 p.
3. Laurence L. Brunton, Randa Hilal-Dandan, Björn C. Knollmann. Goodman & Gilman's: The Pharmacological Basis of Therapeutics, 13e // McGraw-Hill Education. – 2018. – 1440 p.
4. Bertram Katzung, Anthony Trevor. Basic and Clinical Pharmacology 13 E , 2014.
5. Cate Whittlesea, Karen Hodson. Clinical Pharmacy and Therapeutics. 6th Edition // Elsevier. - 2019. - 1112 p.

Head of the department  
PhD, Associate Professor



I.S.Romanova

AGREED  
Head of the Reader  
Service Department



V.A.Koleda



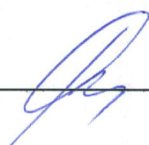
## LIST OF PRACTICAL SKILLS

1. Collection of pharmacological and allergic anamnesis
2. Assessment of the risk of drug interactions.
3. The ability to assess the function of the liver and kidneys in relation to the choice and evaluation of the safety of pharmacotherapy.
4. Carry out correction of the dosing regimen in case of pathological changes in the functions of organs and systems responsible for the biotransformation and elimination of drugs, as well as in the combined use of drugs
5. The choice of an effective and safe drug in the treatment of extragenital pathology in pregnant women.
6. The choice of an effective and safe drug in the treatment of major diseases in women during breastfeeding.
7. The choice of an effective and safe drug in the treatment of major diseases of the elderly and senile.
8. Preparation of a doctor's prescription
9. Informing the patient about the nature of the action of drugs, the rules for taking and possible adverse reactions
10. Ability to issue a notice of adverse drug reactions.
11. Provide emergency medical care to patients with anaphylactic shock, hypertensive crisis, acute coronary syndrome, bronchial asthma attack, emergency medical care for hepatic and renal colic.
12. Evaluate scientific information on the effectiveness of drugs and other drugs, work with reference and other literature of drugs.

## LIST OF LECTURES

- 1 Introduction to the academic discipline «Clinical Pharmacology».
2. Clinical pharmacokinetics and pharmacodynamics of drugs. Drug Interactions.
3. Clinical pharmacology of antibacterial drugs. Basics of rational antibiotic therapy
4. Clinical pharmacology of antiviral, antifungal and antiprotozoal drugs. Principles of treatment of acute respiratory viral infections
5. Clinical pharmacology of medicines used in cardiology
6. Clinical pharmacology of medicines used for the treatment of type 2 diabetes and thyroid diseases

Head of the department  
PhD, Associate Professor



I.S.Romanova