

**Course Outline for Seminar-Based Classes  
in the Discipline of Clinical Pharmacology for the Students Enrolled in 2021  
Program: 31.05.03 Dentistry (Specialist Degree, Full-Time Study)  
Academic Year 2025–2026**

<b>№</b>	<b>Topic</b>	<b>Practical training</b>	<b>Watch</b>
<b>10th semester</b>			
1.	Clinical pharmacology: its sections, key terms, and concepts. 1. Introduction. The role of clinical pharmacology in rational drug selection. Regulatory legal acts. Federal Law No. 61-FZ "On the Circulation of Medicines." Reference and generic drugs. 2.	-	6
2.	Pharmacokinetics. Pharmacodynamics, Basic Concepts and Their Practical Significance. <sup>1</sup> Pharmacokinetic characteristics of drugs in children, pregnant and lactating women, and the elderly. Pharmacokinetic curve, calculation of loading and maintenance doses. <sup>2</sup>	-	6
3.	Pharmacovigilance. <sup>1</sup> The system of rational use of drugs in Russia. Classification of adverse drug reactions. Naranjo scale. Notification system. Notification card. <sup>2</sup>	-	6
4.	Clinical guidelines. <sup>1</sup> Clinical Guidelines Index. List of Vital and Essential Medicines. Standards of Pharmacotherapy. <sup>2</sup>	-	6
5.	Clinical pharmacology of antimicrobial drugs. <sup>1</sup> Principles of Rational Antibiotic Therapy. The Antimicrobial Stewardship Strategy. Mechanisms of Antibiotic Resistance. <sup>2</sup>	WP	6
6.	Clinical pharmacology of muscle relaxants and anticholinesterase agents. <sup>1</sup> Clinical and pharmacological features of the use of muscle relaxants and anticholinesterase drugs in the practice of a dentist. <sup>2</sup>	WP	6
7.	Clinical pharmacology of anti-inflammatory drugs. <sup>2</sup> Clinical pharmacology of nonsteroidal anti-inflammatory drugs. Indications, contraindications, adverse drug reactions. Clinical and pharmacological features of the use of nonsteroidal anti-inflammatory drugs in dental practice. <sup>2</sup>	WP	6
8.	Clinical pharmacology of anesthetics. <sup>1</sup> Mechanism of action of anesthetics. Indications, contraindications, and adverse drug reactions. Local anesthetics. Clinical and pharmacological features of the use of anesthetics medicines in dental practice. <sup>2</sup>	WP	6
9.	Clinical pharmacology of antihistamines. <sup>1</sup> Mechanism of action. Indications, contraindications, adverse drug reactions. Clinical and pharmacological features of the use of antihistamines in dental practice. <sup>2</sup>	WP	6
10.	Clinical pharmacology of antiviral drugs and immunomodulators. <sup>1</sup> Mechanism of action. Indications, contraindications, and adverse drug reactions. Clinical and pharmacological features of the use of antiviral drugs and immunomodulators in dental practice. <sup>2</sup>	-	6
<b>Total</b>			<b>60</b>

<sup>1</sup> – topic

<sup>2</sup> – content

WP – working with a patient

Considered at a meeting of the Department of Clinical Pharmacology and Intensive Care, minutes of May 26, 2025, No. 11.

Head of Department

A handwritten signature in blue ink, appearing to read 'V.I. Petrov', is positioned between the title 'Head of Department' and the printed name 'V.I. Petrov'.

V.I.Petrov