

**aZLFA0621p – Pharmacology I lecture
Dentistry
Spring semester 2024**

28. 2. 2024

1. Historical aspects of pharmacology. Pharmacology - definitions, terminology, subspecializations. The active substance, pharmacon - drug. Effective pharmacotherapy.

6. 3. 2024

2. Pharmacodynamics. Mechanisms of drug action, non-specific, specific. Receptor and binding sites subtypes, their function.

13. 3. 2024

3. Drug delivery approaches. Classification of administration routes. Factors related to administration route selection. Characteristic of administration routes. Innovative administration routes.

20. 3. 2024

4. Pharmacokinetics. Drug absorption, distribution, metabolism and elimination. Changes of drug effects after the repeated administration.

27. 3. 2024

5. General principles of poisoning management. Specific antidotes in poisoning therapy. General principles of drug addiction.

3. 4. 2024

6. Drug addiction to the individual substances.

10. 4. 2024

7. Factors affecting drug effects. Influence of accompanying diseases on drugs effects.

17. 4. 2024

8. Glucocorticoids. Natural and synthetic corticosteroids, steroid receptor, mechanism of action, pharmacological use and side effects.

Immunomodulatory agents.

Treatment of hyper/hypothyroidism.