

aZLFA0621c - Pharmacology I practical lessons

Dentistry

Spring semester 2024

1.4-5.4. 2024 (8.30-11.00), A18/205

1.4. 2024

**/1/ INTRODUCTION TO THE STUDY OF PHARMACOLOGY**

Contents of the study of Pharmacology, contents and organization of theoretical and practical courses and lectures, required and recommended textbooks. The conditions for granting the credit. Pharmacology - drug nomenclature. Introduction to the prescription terminology. Classification of drug preparations, ATC groups. International Pharmacopoeia, Pharmacopoeia Bohemica.

2.4. 2024

**/2/ INFORMATION SOURCES ABOUT MEDICINES**

Internet databases. Pharmindex Breviř (Breviary), SPC and PIL; AISLP, EMA, SÚKL. Practical examples and searching in important sources.

3.4. 2024

**/3/ GENERAL RULES OF THE DRUG PRESCRIPTION**

Medical prescription and its essentials. Prescription of drugs. Legislation of drug prescription. Work with various handbooks and databases. Prescription and provisions of narcotic and psychotropic substances.

4.4. 2024

**/4/ PRACTICAL PHARMACODYNAMICS**

Basic types of drug-response curves. Examples of mechanisms of action and their practical applications.

5.4. 2024

**/5/ DRUG DOSAGE FORMS AND PRACTICAL EXAMPLES OF THEIR PRESCRIPTION**

**Solid drug dosage forms**

Prescription of selected drug forms (solid drug dosage forms - powders, capsules, tablets, suppositories).

**Semi-solid drug dosage forms**

Prescription of selected drug forms (soft and melting drug dosage forms - ointments, creams, pastes, gels and other preparations for application to the skin and mucous membranes).

**Fluid drug dosage forms**

Prescription of selected drug forms (fluid drug dosage forms - solutions for rubbing, compresses and lavages, solutions and drops for oral administration).

**Gaseous drug dosage forms**

**Special prescription of individually prepared drugs used in stomatology (mucoadhesive pastes, solutions, suspensions, gels, ointments, pastes).**

27.5. 2024

**/6/ ADVERSE DRUG EFFECTS**

Their classification, adverse effects analysis and reporting, pharmacovigilance.

Case reports of drug adverse effects.

28.5. 2024

**/7/ PHARMACOLOGY OF PERIPHERAL NERVOUS SYSTEM - INTRODUCTION**

Terminology, neurotransmissions in peripheral nervous system, adrenergic and cholinergic receptors, agonists and antagonists. Functional importance and possibilities of pharmacological affection of sympathetic and parasympathetic system.

29.5. 2024

**/8/ NORADRENERGIC (SYMPATHETIC) DRUGS**

Receptors of noradrenergic (sympathetic) system, pharmacology of drugs activating and blocking noradrenergic (sympathetic) system.

30.5. 2024

**/9/ CHOLINERGIC (PARASYMPATHETIC) DRUGS**

Receptors of cholinergic (parasympathetic) system, pharmacology of drugs activating and blocking cholinergic (parasympathetic) system.

31.5. 2024

**/10/ FINAL REVISION**

**PRESCRIPTION TEST (PRESCRIPTION OF READY-MADE PREPARATIONS)**

**MULTIPLE CHOICE FINAL (CREDIT) TEST OF PHARMACOLOGY (MCHQ - topics lessons from days 1 to 9)**

**CREDITS**