

## Pharmacology 1

General medicine - summer semester

Lectures for students in 3<sup>rd</sup> year of medical studies

Academic year 2018/2019

Date	Title of lecture	Teacher
13.2.2019	Introduction and general pharmacological principles. Basic pharmacological terminology. Drug names. Drug development. General pharmacokinetic principles: transfer of drugs across membrane.	prof. Mojžiš
20.2.2019	General pharmacokinetic principles, absorption, protein binding, distribution, metabolism and excretion of drugs.	prof. Mirossay
27.2.2019	Pharmacodynamic principles: molecular aspects of drug action. Target molecules. Drug receptor interaction. Second messengers. Nonspecific drug action. Unwanted drug effects (classification).	prof. Mojžiš
6.3.2019	Neurotransmission of the autonomic nervous system. Cholinergic neurotransmission and drugs affecting cholinergic system. Myorelaxants.	prof. Mirossay
13.3.2019	Drugs affecting adrenergic nervous system.	prof. Mojžiš
20.3.2019	Chemical transmission and drug action in the central nervous system. Antipsychotic (neuroleptics) drugs. Antidepressants.	prof. Mojžiš
27.3.2019	Anxiolytics and hypnotics. Psychostimulants. Drugs used in the treatment of epilepsy, Parkinson disease and Alzheimer disease.	prof. Mirossay
3.4.2019	General and local anesthetics.	prof. Mirossay
10.4.2019	Opioid analgesic drugs.	prof. Mojžiš
17.4.2019	Antipyretic analgesics. Nonsteroidal antiinflammatory drugs. Antirheumatic drugs and drugs used to treat gout.	prof. Mirossay
24.4.2019	Pharmacological approach to the treatment of the bronchial asthma. Drugs influencing cough. Pharmacological treatment of the peptic ulcer disease.	prof. Mojžiš
<b>1.5.2019</b>	<b>Free day</b>	
9.5.2019	Other gastrointestinal drugs (treatment of diarrhea and constipation). Histamine and pharmacological treatment of allergy. Antiemetics. Antiserotonergic drugs.	prof. Mojžiš
15.5.2019	Drugs used in treatment of heart diseases. Antianginal drugs. Drugs used to treat dysrhythmias.	prof. Mirossay

Wednesday - lectures will be held in lecture hall P4 (during the Ac. Senate - hall PA)  
(15:00-17:30)

Košice, 28.1. 2019

prof. DVM. Ján Mojžiš, DSc.  
Head of department

## Pharmacology 1

General medicine - summer semester

Seminars for students in 3<sup>rd</sup> year of medical studies

Academic year 2018/2019

Week	Title of seminar
1.	Introduction. Organization of seminars. General pharmacological principles. Basic pharmacological terminology. Drug names.
2.	Prescription of drugs.
3.	Pharmacokinetics: drug absorption, distribution, metabolism and excretion.
4.	Pharmacodynamics: mechanisms of action, first and second messengers, receptors, ligand-receptor interactions
5.	Factors influencing drug action. Effects of age and disease on drug disposition. Genetic differences in drug action. Unwanted drug effects.
6.	<b>Control test (general pharmacology).</b> Introduction to the autonomic nervous system.
7.	Pharmacology of the autonomic nervous system. Drugs affecting the cholinergic nervous system. Ganglionic blocking agents. Myorelaxants.
8.	Pharmacology of the autonomic nervous system. Drugs affecting the adrenergic nervous system – sympathomimetics
9.	Pharmacology of the autonomic nervous system. Drugs affecting the adrenergic nervous system - sympatholytics
10.	<b>Control test (pharmacology of the autonomic nervous system).</b> Drugs affecting the CNS. Antipsychotic drugs.
11.	Drugs affecting the CNS. Antidepressants. Anxiolytics and hypnotics.
12.	Drugs affecting the CNS. Drugs used in the treatment of epilepsy, Parkinson disease and Alzheimer disease.
13.	General and local anesthetics.
14.	<b>Control test (pharmacology of the CNS).</b> Drug abuse. Drug interactions. Drug development and testing process.

Košice, 28.1.2019

prof. DVM. Ján Mojžiš, DSc.  
Head of department