

Pharmacology 1

Dental Medicine- winter semester

Lectures for students in 3rd year of studies

Academic year 2018/2019

Date	Title of lecture	Teacher
18.9.	Introduction and general pharmacological principles. Historical background.	prof. Mojžiš
25.9.	Passage of drugs across membranes. Drug absorption. Distribution of drugs. Plasma protein binding of drugs. Volume of distribution.	prof. Mojžiš
2.10.	Biotransformation and excretion of drugs.	prof. Mojžiš
9.10.	Mechanisms of drug action: molecular aspects, drug - receptor interactions, second Messengers.	prof. Mirossay
16.10.	Unwanted drug effects, allergy, drug abuse. Factors influencing drug action.	prof. Mirossay
23.10.	Chemical transmission and the autonomic nervous system. Drugs affecting adrenergic nervous system.	prof. Mirossay
30.10.	Cholinergic transmission. Myorelaxants.	prof. Mirossay
6.11.	Chemical transmission and drug action in the central nervous system. Neuroleptics.	prof. Mojžiš
13.11.	Antidepressants, anti-anxiety, psychostimulants and psychodysleptics. Hypnotics.	prof. Mirossay
20.11.	Drugs used to treat motor disorders: epilepsy, Parkinson disease.	prof. Mojžiš
27.11.	General and local anesthetics.	prof. Mirossay
4.12.	Analgesic drugs: Opioids.	prof. Mojžiš
11.12.	Antipyretic analgesics. Nonsteroidal antiinflammatory drugs.	prof. Mojžiš
18.12.	Drug dependence	prof. Mirossay

Lectures will be held in lecture hall PR (10:15-11:45)

Košice 10.09.2018

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

Pharmacology 1

Dental Medicine - winter semester

Seminars for students in 3rd year of studies

Academic year 2018/2019

Week	Title of lecture
1.	Organization of practical exercises. General pharmacological principles. Basic pharmacological terminology. Drug names.
2.	Prescription of drugs, practical application.
3.	Pharmacokinetic principles: transfer of drugs across membrane, drug absorption. Routes of drug application. Distribution. Plasma protein binding. Volume of distribution.
4.	Drug elimination (metabolism, excretion). Factors influencing drug metabolism and excretion of drugs.
5.	Pharmacodynamic principles of drug action: Molecular aspects, drug - receptor interactions, second messengers. Nonspecific drug action.
6.	Unwanted drug effects, allergy, drug abuse. Factors influencing drug action (age, disease, genetic factors). Control test.
7.	Drugs affecting adrenergic nervous system.
8.	Drugs affecting cholinergic nervous system. Myorelaxants.
9.	Drugs influencing CNS. Neuroleptics. Control test.
10.	Antidepressants, antianxiety, psychostimulants and psychodysleptics. Hypnotics.
11.	Drugs used to treat epilepsy and Parkinson disease.
12.	General and local anesthetics.
13.	Opioid analgesics. Control test.
14.	Antipyretic analgesics. Nonsteroidal antiinflammatory drugs.

Košice, 10.09.2018

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