



Module Description

University of ALKafeel / College of Pharmacy. Academic Year (2020-2021)

Stage:	fourth
Specialization:	Pharmacy
Name of the Course in Arabic	الادوية II
Name of the Course in English	Pharmacology II
Goals:	Introducing pharmacy students to the general pharmacology of the central nervous system and the different groups of drugs used in the treatment of diseases of the central nervous system or drugs that change its function. The student gets acquainted with the different drugs used in the treatment of cardiovascular diseases. In addition, this course will cover medications that affect the digestive and respiratory systems
Description	is considered one of the basic subjects that Pharmacology the College of Pharmacy student relies on mainly after graduation, as it combines all the sciences that the student studied, including medical pharmacology, science of pharmaceutical chemistry, pathology, and physiology
Number of Theoretical lectures	3
Number of Practical lectures	2
Credits	4
Name of Instructor in Arabic	م.د. ياسمين علي حسين (النظري) أ.د. مصطفى غازي (النظري) م.م. يحيى ابراهيم يحيى (العملي)
Name of Instructor in English	Yasmeen Ali Hussien Mustafa Ghazi Salloom Yahia Ibrahim Yahia
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Curriculum / Theoretical:

Week	Syllabus
1	Introduction to CNS pharmacology
2	CNS stimulants. Anxiolytic and Hypnotic drugs.
3	General and Local Anesthetics.
4	Antidepressant drugs
5	Antipsychotic (neuroleptic) drugs.
6	Opioid analgesics and antagonists.
7	Treatment of neurodegenerative diseases.
8	Antiepileptic Drugs.
9	The treatment of heart failure (HF). Diuretics.
10	Antiarrhythmic drugs.
11	Antihypertensive drugs.
12	Antihyperlipidemic drugs.
13	Gastrointestinal and antiemetic drugs.
14	Drugs acting on the respiratory system.
15	Drugs affecting the blood
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Curriculum / Practical:

Week	Syllabus
1	Routs of drug administration
2	Onset and duration of drugs (Barbiturates)
3	Absorption and excretion of drugs
4	Effect of parasympathomimetics on gland secretions
5	Drugs and human eye
6	The effects of drugs on IOP rabbits
7	Evaluation of opioid analgesics
8	Evaluation of NSAIDs
9	Evaluation of anti-parkinsonian drugs
10	The effects of drugs and their antagonists on isolated rats ileum
11	The effects of drugs and their antagonists on isolated rabbits ileum
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References :

Main References :

[1] Lipincott Pharmacology; Latest edition

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Secondary References:

[1] Lab Manual for Practical Pharmacology Adopted by the Department

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