

**PHL313****Second Semester Lectures 35-36**

NO	SUBJECT	LECTURER
1	Basic concepts in Pharmacology and Types of Targets for Drug Action	Dr.Alhoshani
2	Drug Receptors, Drug Receptor Interactions and regulations	Dr.Alhoshani
3	Dose-Response Functions: affinity, efficacy and potency, Dose response Curves and types of agonists and antagonists	Dr.Alhoshani
4	ED50, LD50 and Therapeutic Index, and Drug Tolerance, Tachyphylaxis, Idiosyncrasy	Dr.Alhoshani
5	Mechanisms of Drug Action: Receptor and Non-receptor mechanisms	Dr.Alhoshani
6	Absorption, Distribution & Biotransformation and Elimination of Drugs, and Factors Modifying Drug Action	Dr.Alhoshani
7	Introduction to the Autonomic Nervous System	Dr.Othman
8	Nonadrenergic, noncholinergic (nanc) neurons: Purinergic agonists and antagonists	Dr.Othman
9	Adrenergic transmission.	Dr.Othman
10	Types & Subtypes of Receptors.	Dr.Othman
11	National Day 28/11/35	
12	Pharmacological Actions, Uses and Side Effects of: Direct Adrenergic Agonists.	Dr.Othman
13	Pharmacological Actions, Uses and Side Effects of: Indirect Adrenergic Agonists	Dr.Othman
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14	Pharmacological Actions, Uses and Side Effects of: beta-adrenergic receptor blocking drugs	Dr.Othman
15	Pharmacological Actions, Uses and Side Effects of: Alpha adrenergic receptor blocking drugs	Dr.Othman
16	Pharmacological Actions, Uses and Side Effects of: adrenergic neuron-blocking agents	Dr.Othman
17	First Mid term	
18	Cholinergic Transmission	Dr.Alhoshani
19	Types and Subtypes of Cholinergic Receptors	Dr.Alhoshani
20	Parasympathetic Nervous System; Intervention Mechanisms: Muscarinic agonists; Acetylcholine and other cholinomimetics	Dr.Alhoshani
21	Muscarinic Effects on the Eye and Muscarinic Antagonists	Dr.Alhoshani
22	Nicotinic Agonists and antagonists: Ganglionic Stimulants and Blockers	Dr.Alhoshani
23	Neuromuscular Blocking Drugs : Nondepolarizing and depolarizing skeletal muscle relaxant drugs.	Dr.Alhoshani
24	Cholinesterase Inhibitors; reversible and irreversible agents	Dr.Alhoshani
25	Drugs used to treat angina	Dr. Mohamad
26	vasodilators: Such as hydralazine, nitroprusside, diazoxide, and fenoldopam	Dr. Mohamad
27	Other vasodilators: phosphor-diesterase inhibitors type v: Sildenafil , tadalafil and vardenafil	Dr. Mohamad

28	calcium channel blockers	Dr. Mohamad
29	Angiotensin-Converting Enzyme Inhibitors, Angiotensin Receptor Antagonists	Dr. Mohamad
31	Drugs used in heart failure	Dr. Mohamad
32	Local anesthetics Classification, Local and Systemic effects	Dr. Naif
33	Antiarrhythmic drugs- classification	Dr. Naif
34	Antiarrhythmic drugs- Therapeutic uses and adverse effects	Dr. Naif
35	Second Exam	
36	Diuretic Agents: Loop diuretics	Dr. Naif
37	Diuretic Agents: carbonic anhydrase inhibitors	Dr. Naif
38	Diuretic Agents: Thiazides	Dr. Naif
39	Diuretic Agents: Potassium-sparing diuretics and aldosterone antagonist	Dr. Naif
40	Agents that alter water excretion -Osmotic diuretics and Antidiuretic Hormone (ADH) Agonists and antagonist	Dr. Naif
41	Autacoids: Pharmacology of <b>Histamine and its analogues</b>	Dr. Mohamad
42	Autacoids: Pharmacology of Antihistamines(H1 &H2)	Dr. Mohamad
43	Autacoids: Pharmacology of The Eicosanoids: Products of Cyclooxygenases Prostaglandins, Thromboxanes, & Related Compounds	Dr. Mohamad
42	Autacoids: Pharmacology of The Eicosanoids: <b>Analogues of Cyclooxygenases</b> Products and their inhibitors	Dr. Mohamad
43	Autacoids: Pharmacology of The Eicosanoids: Lipxygenase products and their blockers	Dr. Mohamad
44	Autacoids: : Pharmacology of <b>Serotonin, agonists</b>	Dr. Mohamad
45	Autacoids: Pharmacology of Nitric oxide and Vasoactive Peptides and their blockers such as endothelins, angiotensin, neurotensin, substance P.	Dr. Mohamad