

Exem questions I

1. **M-cholinomimetics**. Classification. . Muscarinic effects on the heart, blood vessels, smooth muscle, glands, eyes. Toxic effects. Therapeutic uses of M-cholinomimetics.
2. **Pilocarpine**. Pharmacological effects on the heart, blood vessels, smooth muscle, glands, eyes. Toxic effects. Therapeutic uses.
3. **Anticholinesterases (M,N- indirect-acting cholinomimetics)**. Classification. Muscarinic effects on the heart, blood vessels, smooth muscle, glands, eyes. Nicotinic effects on autonomic ganglia and skeletal muscles. Toxic effects. Therapeutic uses.
4. **Neostigmine**. Muscarinic effects on the heart, blood vessels, smooth muscle, glands, eyes. Nicotinic effects on autonomic ganglia and skeletal muscles. Toxic effects. Therapeutic uses.
5. **Organophosphate poisoning**. Causes (toxic effects on the the CNS, heart, blood vessels, smooth muscle, glands, eyes and skeletal muscles). Treatment (specific antidotes).
6. **Antimuscarinic agents** (M-cholinoblockers). Classification. Pharmacological effects on the heart, blood vessels, smooth muscle, glands, eyes. Therapeutic uses.
7. **Atropine**. Pharmacological effects on the heart, blood vessels, smooth muscle, glands, eyes. Therapeutic uses. Toxic effects. Treatment of atropine poisoning.
8. **Scopolamine**. Pharmacological effects on CNS, heart, blood vessels, smooth muscle, glands, eyes. Therapeutic uses. Adverse effects.
9. **Ganglion blocking agents**. Classification. **Trimethaphan**. Pharmacological effects, therapeutic uses.
10. **Skeletal muscle relaxants**. Classification. Nondepolarizing (competitive) blockers and depolarizing blockers. Mechanisms of action. Pharmacological effects. Therapeutic uses.
11. **Adrenomimetics**. Classification. **α and β -adrenomimetics**. Pharmacological effects on the heart, blood vessels, splenic capsule, smooth muscle, radial muscles of iris. Therapeutic uses
12. **Adrenaline**. Pharmacological effects on the heart, blood vessels, radial muscles of iris, smooth muscle, liver, kidneys and fat. Therapeutic uses. Adverse effects.
13. **Ephedrine**. Pharmacological effects on CNS, heart, blood vessels, radial muscles of iris, smooth muscle, liver, kidneys and fat. Therapeutic uses. Adverse effects.

14. **Dobutamine.** Pharmacological effects on the heart (contraction, heart rate, peripheral resistance and BP). Therapeutic uses.
15. **α -adrenoblockers.** Classification. **Phentolamine.** Pharmacological effects on the heart, blood vessels, smooth muscle. Therapeutic uses. Adverse effects.
16. **β -adrenomimetics.** Classification. Pharmacological effects on the heart, blood vessels, smooth muscle, liver, kidneys and fat. Therapeutic uses. Adverse effects of β -adrenomimetics.
17. **Isoprenaline.** Pharmacological effects on the heart, bronchiolar smooth muscles and sugar . Therapeutic uses. Adverse effects.
18. **α -adrenoblockers.** Classification. **Phentolamine.** Pharmacological effects on the heart, blood vessels, smooth muscle. Therapeutic uses. Adverse effects.
19. **β -adrenoblockers.** Classification. **Propranolol.** Pharmacological effects on the heart, blood vessels, smooth muscle. Therapeutic uses. Adverse effects.