

Drugs		Typical side effects	
Direct M-cholinoreceptors	Pilocarpine	Cholinergic drugs	Bone marrow suppression dry mouth Fever
Direct N-cholinoreceptors	Cytidine (Nicotine)		
Both	Carbachol (acetylcholine)		
Subtypes		Pharmacological effects	
Direct cholinoreceptors	Binds to + activates muscarinic/nicotinic receptors	M-cholinomimetics	Miosis + decrease intraocular pressure + spasm of the accommodation
Indirect cholinoreceptors	Inhibits the action of acetylcholinesterase		
Muscarinic (M) cholinergic drugs	Produced at postganglionic nerve endings		
Nicotinic (N) cholinergic drugs	Produced by stimulants of all autonomic ganglia		
MOA		Anticholinesterases	
M-cholinoreceptors	Stimulate M-cholinoreceptors in the exocrine glands and autonomic ganglia	Drugs	AntiNicotinics - ganglion blockers AntiMuscaranics - tertiary amines (atropine, scopolamine) and quaternary amines (ipratropium, benzotropine)
N-cholinoreceptors	Stimulates N-cholinoreceptors in arch of aorta + the respiratory centre.	MOA	Inhibition of cholinesterase enzyme which inhibits the breakdown of Ach
		Side effects	mydriasis, sweating, bradycardia, diarrhea
		Contra-indication	Bronchial asthma
Indications		Contraindications	
Cholinomimetics	Bradycardia Vasodilator Decrease blood pressure Glaucoma	Cholinergic drugs	Bronchial asthma Urinary obstruction



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