Cheatography

HiralOT_Pharmacology_Cholinergic Drugs Cheat Sheet by Hiral OT (Hiral) via cheatography.com/31053/cs/9372/

Cholnergic Drugs intro

Activity	at Cholinergic synapsis- that use Ach as neurotransmitter
Cholinergic Receptors	Previous cheat sheet
Cholnergic Stimulants	Increase activity at ACh line synapses.
Direct acting Cholinergic Stimulants	Bind directly with the Cholinergic receptor
Indirect acting Cholinergic stimulants	increase synaptic activity by inhibiting the ACh linesterase enzyme located at Cholinergic synapse

Direct Acting Cholinergic Stimulants		
Cholinergi c Agonists	Function: similar to Ach Molecule	
Ach	Is DIRECT ACTING Cholinergic stimulant	
Muscurini nc Cholinegic Stimulants	More beneficial , primarily AFFECT the peripheral tissues while exerting a minimal effect on the cholinergic receptors located in the autonomic ganglia and the neuromuscular junction.	
Clinical use	only few are useful	
Follow The Table	Every durg	

Indirect-acting Cholinergic Stimulants

Function increase activity at cholinergic synapses by inhibiting the Achsterase enzyme that is responsible for destroying Ach after this neurotransmitter is released from the presynaptic terminal.So it allows more Ach to remain in the Synapse. FINALLY: It increases in cholinergic synaptic transmission.



By **Hiral OT** (Hiral)

cheatography.com/hiral/

Indirect-acting Cholinergic Stimulants (cont)

it peripheral muscuranic cholinergic does synapses and on the cholinergic	Also known as	Cholinesterase inhibitors / antichlinesterase agents
	What it does finally	peripheral muscuranic cholinergic synapses and on the cholinergic synapses found at the autonomic ganglia, at the skeletal neuromuscular junction, and within

Adverse effects

p. 293 Problems and adverse effects

Clinical Applications Mainly: decrease in smooth muscle tone Both tha toccur in GI trct and bladder following abdominal surgery or trauma. Indirectly glaucoma, myasthenia gravis, alzheimer disease and to reverse the effects from an overdose of other drugs such as neuromuscular blocking agents and anticholinestergics. Alzheimer p. 292 disease Glaucoma Myasthenia Gravis Reversal of Neuromuscular blockage Reversal of Ach-Induced CNS toxicity

Antecholinergic Drugs

Function Competitive antagonists of the postsynaptic Cholinergic receptors: So they bind reversibly to the cholinergic receptor but do NOT activate it.

Antecholinergic Drugs (cont)

Binding	BLOCKS the receptor from teh efects of endogenously released Ach> diminishing the cellular response to Cholinergic stimulation.
Other names	Antinuscurinic/antinicotinic DRUGS
AntiNicoti nic Nn- Antagonis ts	USED for Extreme High BP and Hypertensive emergencies
	To produce Surgery by blocking the Skeletal NMJ

Antimuscar	inic AntiCholinergic Drugs
Atropine	Prototype Drug
Obtained from:	Extract of plants such as belladonna and jimsonweed
Action	BLOCK Postsynaptic Cholinergic Muscarinic Receptor
Five subtypes M1-M5	Antagonize cholinergic receptors on number of tissues which leads to side effects (see above Cheat sheet)
Clinical Application	GI, Parkinson, and treat clinical disorder (table 19-2, p. 295)
Parkinsons	Deficiency of the dopamine in the basal ganglia> leads to overactivity of central cholinergic synapse
CVS	Atropine- primarirly use to block vagus nerve on myocardium. Slows heart rate, conduction of the cardiac action postential thorughout the myoardium.
Motion sickness	antimuscarinics - Scopolamine
poisoning	

Published 5th October, 2016. Last updated 5th October, 2016. Page 1 of 1. Sponsored by **Readability-Score.com** Measure your website readability! https://readability-score.com