Reversible anti-cholinesterase

Physostigmine	Neostigmine	Pyridostigmine	Ambenonoium Cl	Edroph-onuim Cl	Donepezil"*Aricept*"
ttt of glaucome	ttt of myasthenia gravis	ttt of myasthenia gravis	ttt of myesthenia gravis		ttt of **Alzheimer's' dimentia**
Antidote to atropine poisoning.					
-Natural			longer duration		
Can pass BBB & conjunctiva			fewer GI side effects		Side effects include nausea, diarrhea, sleeping troubles

(indirect cholinomimetics)

Muscarinic agonist

-Bethanechol Cl-

must not be administered IV or IM routes

Used for urine retention or abdominal distention (to increase digest-ion).

Long acting due to:

1. Beta methyl

2. Carbamate ester

Irreversible ChE inhibitors.

Organophosphorus compounds: insecticide, nerve gases & ttt of glaucoma.

Antidote: Pralidoxime (ChE reactivator)

Tetraethyl pyrophosphate

Anti-muscarinic

Natural	Synthetic (amino-alcoh-ol-ester)	Synthetic (amino-al-cohol)
Solanaceous alk. (Atropine & scopolamine)	Clidinium bromide	Biperiden
atropine is used as preane-sthtic to decrease oral and pulmonary secretions.	Used in ttt of spastic colon and peptic ulcer.	Anti-park-insonian
	-It's combined with chlordiazeopoxide in a drug called **Normaxin**	Combined with levodopa
	Its anti-spasmodic and anti-secretory so decreases gastic HCl secretions and abdominal cramping.	
CI in glaucoma	Contraindicated with glaucoma	

(Depolarizing) Ganglionic blockers

Nicotine

Acts as a blocker only in large doses (small doses of nicotine are stimulants)

Non-depolarizing neuromuscular blockers

Tubocu rarine	Gallamine triethiodide	Pancur-onuim	Rocuronuim bromide
-natural-	Synthetic	Aminos-teroid ms. relaxant	Aminosteroid ms. relaxant
	muscle relaxant for surgical procedures	Used for euthan-sia/lethal-injection	Used as skeletal ms relexant, usually for endotracheal intubation (mechanical ventil-ation or surgery)
		Effects are partially reversed by reversible ChE inhibitors.	

Also called curariform or curari-mimmetic drugs.
They relax smooth ms. and used as preanesthetic medication.
They must have quaternary ammonium compounds to have a permanent positive charge so that they never act centrally (never pass BB).

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