



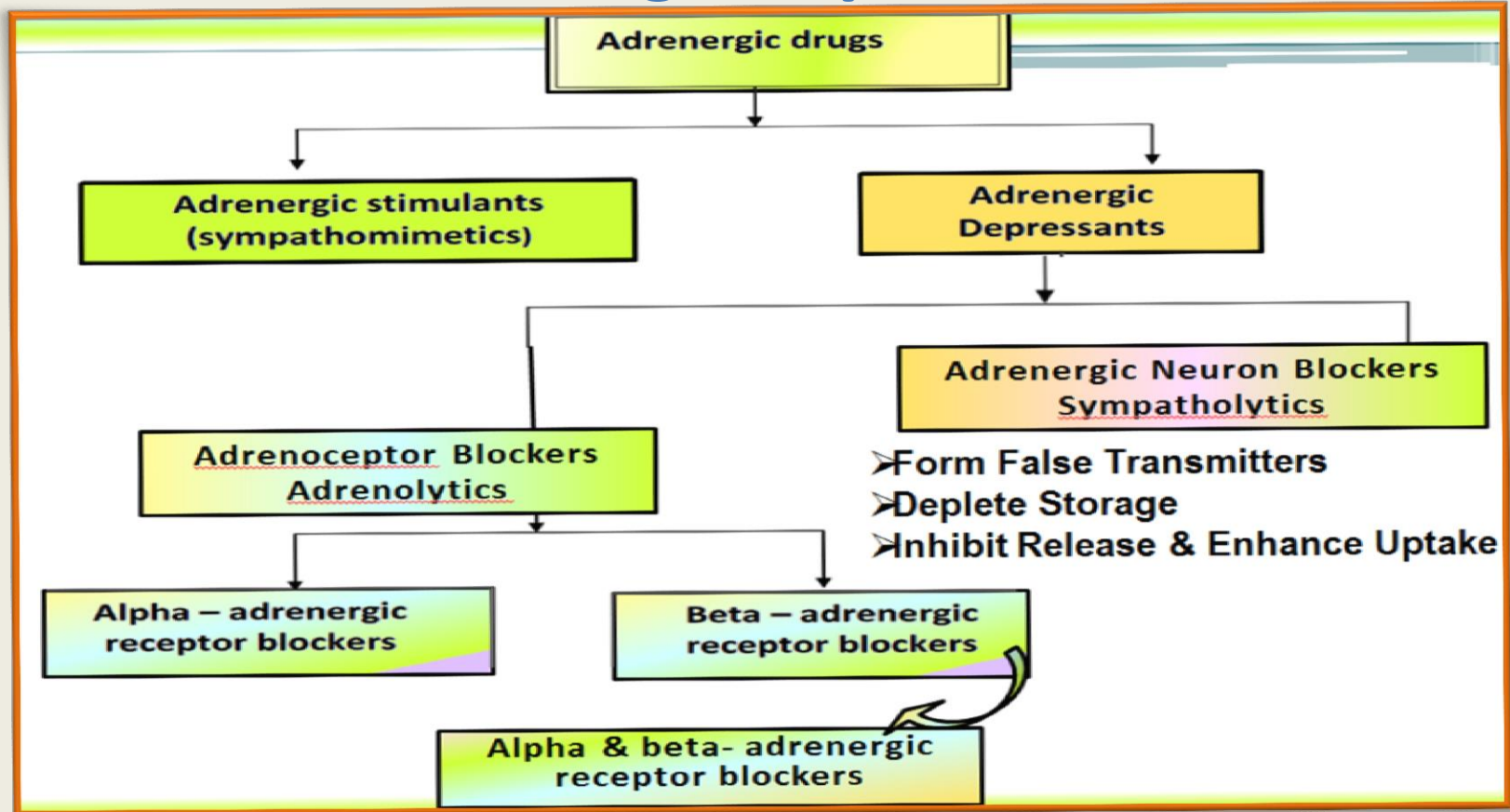
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Red	Important
Purple	Extra Notes
Orange	General Explanation
Black	From the slides

Pharmacology

Adrenergic Depressants



Adrenergic Neuron Blockers

(Sympatholytics)

Drug	Mechanism
Methyldopa (a-methyl tyrosine)	False transmitters Indicated as antihypertensive in pregnancy
Clonidine	Little Used as Antihypertensive agent due to rebound hypertension upon abrupt withdrawal.
Reserpine	Deplete stores
guanethidine	Inhibit release + enhance uptake


Alpha adrenoreceptor blockers

(α antagonists)

1-Non Selective (block α_1 and α_2)

Type	Irreversible	Reversible
Drug	Phenoxybenzamine (long acting)	Phentolamine (short acting)
Mechanism	Indications:- Irreversible Shock Comes in (USMLE)	Indication: only before removal of Phaeochromocytoma (PCC is a neuroendocrine tumor of the medulla of the adrenal glands originating in the chromaffin cells) to prevent hypertensive crisis(أزمة)

2- selective Selective α_1 blocker

DRUG	INDICATIONS	ADR
<p>Prazosin (short acting)</p> <p>Doxazosin (long acting)</p>	<ol style="list-style-type: none"> 1. Raynaud's disease to induce peripheral vasodilatation 2. Rarely in hypertension and HF 	<ol style="list-style-type: none"> 1. Hypotension Syncope (Postural hypotension = first dose effect) 2. Headaches 3. Fluid retention 4. Decrease ejaculation and impotence 5. Nasal stuffiness
<p>Tamsulosin (uroselective)</p>	<p>Benign prostatic hypertrophy (contract bladder wall + relaxes bladder sphincters and neck)</p>	

Selective α_2 blocker

Yohombine	<p>Release NE and ADH</p> <p>Aphrodisiac (مثير للشهوة)</p>
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