

# Cheatography

## Antihypertensives Cheat Sheet

by Tuckerv via cheatography.com/92870/cs/20599/

Diuretics (-zide, -mide)			Diuretics (-zide, -mide) (cont)			Diuretics (-zide, -mide) (cont)		Beta Blockers (-olol) (cont)		
Thiazide diuretics	LOOP diuretics	K+ Sparing	Drug allergy, hepatic coma, anuria, kidney failure	Fluid accumulation d/t liver/kidney disease	⚡ Adverse Effects	Cholecystitis	Electrolyte loss/dehydration	*reduces the work of the heart		
⚡ MOA	i.e. Lasix (furosemide)	i.e. spironolactone, triamterene	Headache	Furosemide-ototoxicity/photosensitivity	⚡ Indications	- HTN, angina, dysrhythmias	⚡ Contraindications			
Inhibits reabsorption of Na, K, Cl resulting in osmotic water loss	⚡ MOA	⚡ MOA	⚡ Adverse Effects	HTN	Spironolactone-gynecomastia, amenorrhea, irregular menses, etc.	Impotence	Orthostatic hypotension	- Allergy	- Uncompensated HF	
Relaxes arterioles (decrease afterload)	Loss of fluid by inhibition of Na and Cl reabsorption	Blocks reabsorption of Na and water, potassium retained	Electrolyte disturbances (decrease K, elevated Ca, lipids, glucose, uric acid)	Pulmonary edema (lt sided HF)	Triamterene-kidney stone d/t reduced folic acid	Hyperglycemia, hyperuricemia		- Cardiogenic shock	- Heart block	
⚡ Indication	Reduced BP	⚡ Indications	Dizziness	Crackles/low O2 sats	⚡ Contraindications	- Severe pulmonary disease (B2)	- Bradycardia			
HTN (first line)	Reduced SVR (after-load), reduced CVP (preload), reduced LVEDP	HF	GI disturbance	⚡ Adverse Effects	- Can worsen angina or cause MI if stopped quickly	- Pregnancy	- Raynaud's disease			
Edematous state d/t HF, liver cirrhosis	⚡ Indications	⚡ Contraindications	Thrombocytopenia	allergy, hepatic coma, severe electrolyte loss (Na & K), pregnancy/BF, gout	⚡ Adverse Effects	- Symptoms of HF (coughing, SOB, Edema, fatigue)	- Severe pulmonary disease (B2)			
⚡ Contraindications	Edema (rt sided HF)	Allergy, hyperkalemia, kidney failure, anuria	Pancreatitis	- Can mask signs of hypoglycemia		- CV: AV block, bradycardia, HF, PV insufficiency, hypotension	- Resp: bronchospasm, bronchoconstriction			
						- CNS: dizziness, depression, lethargy	- GI: nausea, dry mouth, vomiting, constipation, diarrhea			
						- Hema: thrombocytopenia	** Watch for diabetic pts			
						** Monitor closely if given with calcium channel blocker				



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ARBs (-sartan)	Calcium Channel Blockers (-pine, -amil) (cont)	Nitrates (nitroglycerin)	ACE inhibitors (-pril) (cont)
<p>i.e. losartan, eprosartan, valsartan, irbesartan, telmisartan</p> <p><b>⚡ MOA</b></p> <ul style="list-style-type: none"><li>- blocks binding of angiotensin II to receptors</li><li>- Affects smooth muscle and adrenal gland</li><li>- Blocks vasoconstriction and secretion of aldosterone</li></ul> <p><b>⚡ Indications</b></p> <ul style="list-style-type: none"><li>- HTN, HF (decrease preload/afterload), decreased mortality after MI</li></ul> <p><b>⚡ Contraindications</b></p> <ul style="list-style-type: none"><li>- allergy, pregnancy/BF, kidney dysfunction (caution), older adults</li></ul> <p><b>⚡ Adverse Effects</b></p> <ul style="list-style-type: none"><li>- URI, headache, hypotension, tachycardia, S/S of toxicity</li></ul> <p><b>⚡ Interactions</b></p> <ul style="list-style-type: none"><li>- Cimetidine, phenobarbital, rifampin, K+ supplements</li></ul> <p>**once daily medication</p>	<p><b>Calcium Channel Blockers (-pine, -amil) (cont)</b></p> <ul style="list-style-type: none"><li>- decreased demand for O<sub>2</sub></li><li>- dilation of coronary arteries (decreased afterload, increased oxygen supply)</li><li>**decreases work of the heart</li></ul> <p><b>⚡ Indications</b></p> <ul style="list-style-type: none"><li>- Angina</li><li>- HTN</li><li>- SVT</li><li>- Atrial fib/flutter</li><li>- Migraines</li><li>- Intracranial aneurysm rupture</li></ul> <p><b>⚡ Contraindications</b></p> <ul style="list-style-type: none"><li>- allergy, acute MI, 2 or 3* heart block, hypotension</li></ul> <p><b>⚡ Adverse Effects</b></p> <ul style="list-style-type: none"><li>- Hypotension</li><li>- Palpitations</li><li>- Tachycardia or bradycardia</li><li>- HF</li><li>- Constipation</li><li>- Nausea</li><li>- Dermatitis</li><li>- Dyspnea</li><li>- Rash/flushing</li><li>- Peripheral edema</li></ul> <p><b>⚡ Interactions</b></p> <ul style="list-style-type: none"><li>- beta blocker, digoxin, h2 blockers, cyclosporin</li><li>- grapefruit</li></ul> <p>**avoid grapefruit</p> <p>**do not take diltiazem with cyclosporin</p> <p>** check liver and renal fx</p> <p>** Weight- check for peripheral edema</p>	<p><b>Nitrates (nitroglycerin)</b></p> <p><b>⚡ MOA</b></p> <ul style="list-style-type: none"><li>- dilation of blood vessels (relaxation of smooth muscle) esp coronary vessels</li><li>- decreased afterload and preload</li></ul> <p><b>⚡ Indications</b></p> <ul style="list-style-type: none"><li>- Angina (stable, unstable, vasospastic)</li></ul> <p><b>⚡ Contraindications</b></p> <ul style="list-style-type: none"><li>- allergy, anemia, closed-angle glaucoma, hypotension, head injury</li></ul> <p><b>⚡ Adverse Effects</b></p> <ul style="list-style-type: none"><li>- headache, tachycardia, postural hypotension, reflex tachycardia, tolerance</li></ul> <p><b>⚡ Interactions</b></p> <ul style="list-style-type: none"><li>- alcohol, beta blockers, CCB, antipsychotics, erectile dysfunction medications</li></ul> <p>**light sensitive</p> <p>**check expiration date</p> <p>**comes in many forms- sublingual, chewable, oral tabs, capsules, ointments, patches, translingual spray, IV</p> <p>**ensure pt is not on erectile dysfunction medication</p> <p>**always date and time nitro patches upon application</p> <p>** administer while seated, take BP measure pain, then wait 5 mins and repeat up to 3x</p>	<p><b>ACE inhibitors (-pril) (cont)</b></p> <ul style="list-style-type: none"><li>- Suppresses formation of angiotensin II from the RAAS system</li><li>- Reduces PVR</li><li>- Increases CO</li></ul> <p><b>⚡ Indications</b></p> <ul style="list-style-type: none"><li>- HTN (decreased afterload, prevents formation of ACE II)</li><li>- HF (prevents Na and water resorption, causes diuresis, decreases preload)</li><li>- Protective effects on kidney (decreases GFR)</li></ul> <p><b>⚡ Contraindications</b></p> <ul style="list-style-type: none"><li>- History of angioedema, renal artery stenosis, K+ &gt;5mmol/L</li></ul> <p><b>⚡ Adverse Effects</b></p> <ul style="list-style-type: none"><li>- Hyperkalemia</li><li>- Fatigue, mood changes, dizziness, headache</li><li>- Dry, non-productive cough**</li><li>- Hypotension</li><li>- Angioedema</li><li>- Rash, thrombocytosis, loss of taste, proteinuria, pruritis, anemia, neutropenia</li></ul> <p><b>⚡ Interactions</b></p> <ul style="list-style-type: none"><li>- NSAIDS</li><li>- Potassium sparing diuretics</li><li>- Lithium and ACE inhibitors</li></ul> <p>**Do not use during pregnancy/BF</p>
<p><b>Calcium Channel Blockers (-pine, -amil)</b></p> <p>i.e. Amlodipine (dihydropyridines), Diltiazem (benzothiazepines), Verapamil (phenylalkylamines)</p> <p><b>⚡ MOA</b></p> <ul style="list-style-type: none"><li>- Blocks Ca access to cells causing:</li><li>- decreased contractility</li><li>- decreased conductivity of the heart</li></ul>	<p>i.e. ramipril, fosinopril sodium, lisinopril, enalapril, perindopril, captopril</p> <p><b>⚡ MOA</b></p>		



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