# Cheatography

## Anti-hypertensives Cheat Sheet by sam219 via cheatography.com/201893/cs/42782/

Renal tubular inhibitory diuretics				
CAI	Thiazide or thiazide-like diuretics	Loop diuretics	K sparring diuretics	
Decreases H+ and Na ion exchange so Na remians in lumen and gets excreted with HCO3- and water.	In mild HTN alone or in edema caused by nephritic syndrome, liver cirrhosis, HF		Excrete Na & Cl without K, which may lead to hyperkalemiac- aridac risk.	
Drug design concept originates from anti-bacterial sulfanilamide (weak CAI)				
Two groups:				
1. Heterocyclic sulfonamides; Acetazolamide, Methazolamide	Hydrochlorothiazide or Indapamide; thiazide like	Furosemide; Azosemide; Ethacrynic acid	Spironolactone; hormonal SE; Amiloride: less hormonal SE; Triametrine	
2. Metadisulfamoyl benz deriv.; Dichlorphenamide, Chloraminophenamide				
NOT given to sulpha-allergic patients: CAI- Thiazide Diuretics- Loop diuretics except ethacrynic a'				

### Osmotic diuretics

Given in high concentrations to increase osmotic pressure in urine and increase its secretion into urine along with water.

### Decreases IOP

1. Glycerine/glycerol

2. Mannitol: **Taken IV**; Safe on kidney so for renal function diagnosis, acute renal failure or cerebral edema

3. Sorbitol (D-glucitol)/Isosorbide

### Vasodilators

	nitrop- russide	agonists
Best in combin- ation to avoid individual increase in dose leading to unwanted SE.	Indicated for hypert- ensive emerge- ncies (very potent VD)	Diazoxide: IV for emergency BP lowering in hospit- alized pt.
		Minoxidil: for severe HTN and alopecia.

# SympatholyticAffectsAffects peripheral nerves:<br/>central<br/>nerves:a-methylReserpine, guanethidine;<br/>dopaClonidinePrazosin: a1 antagonistClonidinePropranolol, atenolol: B<br/>blockers

### RAS inhibitors

ACEI	ARBS
Captopril: thiol gp attaches to Zn of the metalloenzyme and responsible for SE urticaria or rash	Candesartan: Prodrug that gives free acid from hydrolysis of ethyl ester
Gen2 (prodrugs): Lisinopril, Quinapril, Enalapril	Losartan (non-p- eptide imidazole): Orally active, potent, selective to AT1 on angiotensin II receptor.

Valsartan

No thiol gp. . Long acting ACEI.

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