

Cardiovascular System - Common Medications

Diuretics: "water pills"

<u>Uses:</u> hypertension, edema, heart failure <u>Side effects:</u> Side effects: symptoms of low blood pressure, frequent urination, change in electrolytes	Subclass	Generic (Brand)	Available Formulations
	Thiazides and thiazide-like	Hydrochlorothiazide (Microzide)	Tablet, capsule
		Chlorthalidone (Diuril)	Tablet
		Chlorothiazide (Diuril)	Tablet, suspension
		Metolazone (Zaroxolyn)	Tablet
	Loops	Furosemide (Lasix)	Tablet, solution, injection
		Bumetanide (Bumex)	Tablet, injection
		Torsemide (Demaxex)	Tablet, IV
	Potassium Sparing	Spironolactone (Aldactone)	Tablet
		Eplerenone (Inspra)	Tablet
		Triamterene (Dyrenium)	Capsule

Angiotensin Converting Enzyme (ACE) Inhibitors: "-pril"

<u>Uses:</u> hypertension, heart failure, and to increase survival after heart attack <u>Side Effects:</u> dry cough, increase potassium, reduced kidney function, angioedema, anaphylaxis, symptoms of low blood pressure <u>DDIs:</u> Potassium supplements, NSAIDs <u>Pregnancy Category:</u> X	Generic (Brand)	Available Formulations
	Benazepril (Lotensin)	Tablet
	Captopril (Capoten)	Tablet
	Enalapril (Vasotect)	Tablet, powder for solution
	Lisinopril (Prinivil, Zestril)	Tablet
	Quinapril (Accupril)	Tablet
	Ramipril (Altace)	Capsule

Angiotension Receptor Blockers (ARBs): "-sartan"

<u>Uses:</u> hypertension, heart failure <u>Side Effects:</u> Increase potassium, symptoms of low blood pressure, reduced kidney function, anaphylaxis <u>DDIs:</u> K+ supplements <u>Pregnancy Category:</u> X	Generic (Brand)	Available Formulations
	Losartan (Cozaar)	Tablet
	Valsartan (Diovan)	Tablet
	Olmesartan (Benicar)	Tablet
	Candesartan (Atacand)	Tablet
	Irbesartan (Avapro)	Tablet
	Telmisartan (Micardis)	Tablet

Calcium Channel Blockers (CCBs)

<u>Uses:</u> Hypertension, non-dihydropyridines can also be used for dysrhythmias <u>Side Effects:</u> flushing, headache, swelling of feet and ankles, symptoms of low blood pressure. <u>Drug-food interactions:</u> avoid grapefruit juice while taking non-dihydropyridines	Subclass	Generic (Brand)	Available Formulations
	Dihydropyridine: "pine"	Amlodipine (Norvasc)	Tablet
		Nifedipine (Adalat CC, Procardia XL)	Capsule, ER tablet
		Nicardipine (Cardene, Cardene SR)	Capsule, ER capsule, IV
		Felodipine (Plendil ER)	ER tablet
	Non-dihydropyridine	Diltiazem (Cardizem, Dilacor XR, etc.)	Tablet, ER Tablet, ER capsule, IV, powder for IV solution
		Verapamil (Calan, Calan SR)	Tablet, ER tablet, ER capsule, IV

Beta Blockers: "-lol"		
<u>Uses:</u> Heart failure, hypertension, increase survival after heart attack, some used for dysrhythmias <u>Side Effects:</u> slow heart rate, fatigue, decreased ability to exercise, symptoms of low blood pressure <u>Drug-disease interactions:</u> lung conditions (asthma, emphysema, etc.), diabetes, depression	Generic (Brand)	Available Formulations
	Atenolol (Tenormin)	Tablet
	Bisoprolol (Zebeta)	Tablet
	Metoprolol (Lopressor, Toprol XL)	Tablet, IV, ER tablet
	Nebivolol (Bystolic)	Tablet
	Propranolol (Inderal LA, Inderal XL)	Tablet, ER capsule, solution, IV
	Carvedilol (Coreg)	Tablet, ER tablet
	Labetalol (Trandate)	Tablet, injection, IV

Vasodilators		
<u>Uses:</u> when other therapies don't work and in emergency situations <u>Side Effects:</u> fast heart rate, swelling	Generic (Brand)	Available Formulations
	Hydralazine (Apresoline)	Tablet, injection
	Sodium Nitroprusside (Nitropress)	IV, powder for IV solution
	Minoxidil (Loniten)	Tablet, topical solution

Individual Agents		
Generic (Brand)		Available Formulations
Clonidine (Catapres): <u>Class:</u> alpha 2 agonist <u>Uses:</u> hypertension after failure with other classes <u>Side Effects:</u> dry mouth, drowsiness, fatigue, skin irritation from patch, rebound hypertension if discontinued abruptly		Tablet, ER tablet, patch
Digoxin (Lanoxin): <u>Uses:</u> relieve symptoms and decrease hospitalizations in heart failure patients, anti-dysrhythmic agent <u>Drug-disease interactions:</u> avoid in renal disease <u>Other precautions:</u> use with caution in elderly		Tablet, solution, injection, or IV

HMG-CoA reductase inhibitors: "-statins"		
<u>Uses:</u> First line for hyperlipidemia, prevention of heart attacks <u>Side Effects:</u> generally well tolerated, can cause mild to severe muscle pain, rhabdomyolysis (severe but rare), irritation to the liver <u>Drug food interactions:</u> avoid grapefruit juice	Generic (Brand)	Available Formulations
	Atorvastatin (Lipitor)	Tablet
	Simvastatin (Zocor)	Tablet
	Lovastatin (Mevacor)	Tablet
	Pravastatin (Pravachol)	Tablet
	Rosuvastatin (Crestor)	Tablet
	Fluvastatin (Lescol, Lescol XL)	Capsule, ER tablet

Fibrates		
<u>Uses:</u> decrease triglycerides and increase HDL levels <u>Side Effects:</u> headache, nausea, vomiting, diarrhea, abdominal pain, rash, liver irritation, increased LDL	Generic (Brand)	Available Formulations
	Fenofibrate (Tricor)	Tablet, capsule
	Gemfibrozil (Lopid)	Tablet

Bile Acid Sequestrants		
<u>Uses:</u> decrease LDL, not commonly used due to intolerable side effects for many patients <u>Side Effects:</u> nausea, bloating, constipation, flatulence, increase triglycerides <u>DDIs:</u> bind to many drugs and disrupt absorption, so take at a different time of day	Generic (Brand)	Available Formulations
	Cholestyramine (Questran)	Powder for suspension
	Colesevelam (WelChol)	Tablet, powder for suspension
	Colestipol (Colestid)	Tablet, powder for suspension

Niacin (Vitamin B3)	
Generic (Brand)	Available Formulations
Niacin (Niacor, Niaspan) <u>Uses:</u> Second line choice for hyperlipidemia (decreases LDL and triglycerides, increases HDL) <u>Side Effects:</u> intense flushing, itching, liver irritation <u>Management of intense flushing:</u> Take acetaminophen or an NSAID 30 minutes prior. If necessary, can switch to ER formulation, which is not associated with flushing.	Niacin IR capsule and IR tablet, OTC Niacor Niacin ER capsule and ER tablet, Slo-Niacin OTC, Niaspan

Anti-dysrhythmic drugs		
<u>Uses:</u> arrhythmia <u>Side Effects:</u> can cause new or more life threatening dysrhythmias	Generic (Brand)	Available Formulations
	Amiodarone (Pacerone)	Tablet, IV
	Dronedarone (Multaq)	Tablet
	<u>Pregnancy Category:</u> X	
	Dofetilide (Tikosyn)	Capsule
	REMS, must be started as an inpatient	
	Sotalol (Betapace)	Tablet, IV
	Diltiazem	*See CCBs
	Verapamil	*See CCBs