

ACE INHIBITORS		DIURETICS		Beta-Adrenergic Blockers "-olol" (Antagonists) (cont)		DIRECT VASODILATORS (cont)
PROTOTYPE DRUG	lisinopril (Prinivil, Zestril)	PROTOTYPE DRUG	furosemide (Lasix)	ADVERSE EFFECTS:	- Fluid retention - Worsening of HF - Fatigue - Hypotension - Bradycardia - Heart block	- Stopping abruptly can cause rebound HTN - Flushing - Reflex tachycardia - Palpitations - Lupus-like reaction - Hypotension
Drug of choice for HF		Increase urine flow				
Reduce afterload		Reduce	- blood volume and cardiac workload - Edema and pulmonary congestion			
Increases cardiac output		Prescribed in combination with other drugs		PHOSPHODIESTERASE INHIBITORS		CONTRAINDICATED IN THOSE WITH:
Enhance excretion of sodium and water	- Lowers peripheral resistance and reduces blood volume	PRIMARY USE:	Diuretic	PROTOTYPE DRUG	milrinone (Primacor)	- Tachycardia - Angina - Rheumatic heart disease
PRIMARY USE:	To decrease BP and reduce blood volume; dilate veins	ADVERSE EFFECTS:	- Electrolyte imbalances - Hypovolemia - Orthostatic hypotension	Block enzyme phosphodiesterase		
ADVERSE EFFECTS:	- First-dose hypotension - Cough - Hyperkalemia - Renal failure			Increase calcium for myocardial contraction		
				Cause positive inotropic response and vasodilation		
		CARDIAC GLYCOSIDES		Increase contractility & decrease afterload		
ANGIOTENSIN II RECEPTOR BLOCKERS (ARBs)		PROTOTYPE DRUG	digoxin (Lanoxin)	Short-term therapy only		
END IN	"-SARTAN"	Increase force of heartbeat, slow heart rate		PRIMARY USE:	As a short term therapy for HF	
PROTOTYPE DRUG:	candesartan (Atacand)	Improve cardiac output		ADVERSE EFFECTS:	- Hypokalemia - Hypotension - Ventricular dysrhythmias	
Actions very similar to ACE inhibitors		Second-line treatment for HF				
Usually used for pts who are unable to tolerate ACE inhibitors		Narrow therapeutic range				
PRIMARY USE:	HTN and HF (for those who can't tolerate ACE inhibitors)	PRIMARY USE:	To increase contractility or strength of myocardial contraction			
ADVERSE EFFECTS:		ADVERSE EFFECTS:	- Neutropenia - Dysrhythmias - Digital toxicity	DIRECT VASODILATORS		
	Hypotension Hyperkalemia					
PATIENT TEACHING:	Sodium & potassium restrictions Contraception					
		Beta-Adrenergic Blockers "-olol" (Antagonists)				

PROTOTYPE	metoprolol	PROTOTYPE	hydralazine
DRUG	(Lopressor, Troprol XL)	DRUG:	(Apresoline) Sometimes used in combination with isosorbide dinitrate (Isordil)
	Slow HR and reduce BP (Negative) inotropic effect Reduce workload of heart		
PRIMARY	- Reduce symptoms of HF - Slow progre- ssion of disease	PRIMARY USE:	- Antihyper- tensive - Treatment of hypertensive crisis
		ADVERSE EFFECTS:	



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