



PHARMACOLOGY

435



This is a summary of the therapeutic uses of common classes of drugs mentioned in pharmacology lectures of CVS block.

Note: this summary doesn't include the lectures of thrombolytic & antihyperlipidemic drugs, as they include different classes of drugs.

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✓ = can be used
✓✓✓ = preferred
- = not effective
✗ = contraindicated
Blank = not mentioned

		Vasodilators	Centrally acting sympatholytic	β-R blockers	1A	Na channel blockers	1B	1C
HF	Arrhythmias	NGC	Isosorbide dinitrate	✓	✓	✓	✓	✓
			Na ⁺ nitroprusside					
			Hydralazine					
			Clonidine					
				α methyl dopa				
				Esmolol				
				Propranolol				
				Atenolol				
				Metoprolol				
					Milrinone			
Angina	Hypertension				Dobutamine			
					Quinidine			
					Procainamide			
					Lidocaine			
					Mexiletine			
					Flecainide			
					Amiodarone			
Hypertension	Glaucoma				Ibutilide			
					Adenosine			

		ACE inhibitor	ARB	α-R blockers	Ca++ channel blockers	K+ opener	Diuretics	Digitalis	Trimetazidine	Aldosterone antagonist
HF	Acute heart failure	Captopril Enalapril Ramipril Enalaprilate Losartan Valsartan Irbesartan	In Chronic HF in general ✓	↓ mortality rate	Prazosin Doxazosin	Dihydropyridine Verapamil	Diltiazem Nicorandil	Chlorthalidone Furosemide	Digoxin	Trimetazidine Spironolactone
	Mild CHF						1ST			
	Moderate CHF							✓		
	Sever CHF							✓		
	Advanced HF									✓
	Congestive heart failure						✓		✓	✓
Arrhythmias	Atrial flutter								✓	
	Atrial fibrillation								✓	
	Atrial arrhythmia					✓	✓			
	Ventricular tachycardia									
	Ventricular arrhythmia					-	-			
	Supraventricular arrhythmia								✓ Supratachycardia	
Angina	Stabile					WPW				
	Unstable					Prophylaxis	2nd line			
	Variant					refractory	refractory			add on therapy
Hypertension (HTN)	Chronic renal disease	✓	✓	Preferred (long half-life) ✓		Relief the spasm				
	Diabetes	✓	✓					×	✓	
	Emergency HTN				✓	✓		✓		
	Pregnancy	✗	✗		Nicardipine					

Eplerenone

Selective Aldosterone antagonist