

Anti-anginals and VD Cheat Sheet by sam219 via cheatography.com/201893/cs/43331/

Nitrodilators		
Nitroglycerin	Isosorbide dinitrate	Amyl nitrite (Isopentyl nitrite)
Sublingual in emergencies with rapid action but very short half life.	Better oral bioavaila- bility and longer half life (1hr)	Inhaled volatile liq.
Photosensitive and tolerance is possiable		Not recommended due to flushing.
Adverse effects:		

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- 1. Vasodilation: headache, hypotension
- 2. Tolerance
- 3. Large doses= methemoglobinemia & cyanosis

ССВ		
Dihydropy- ridines	Aralkyl amine deri.	Benzothia- zepine
-Nifedipine-	-Verapamil-	-Diltiazem-
the prototype; potent VD	ttt of angina, <i>arrythmia</i> , HTN	Less potent for arrythmia
for HTN, angina.	chiral molecule with levorotatory as most potent form	for variant angina

NOT for arrythmia due to no or little effect on heart nodes.

NO2 (nitro gp) essential for activity.

Amlodipine

Longer t1/2 but lesser -ve inotropy due to more vascular selectivity.

-Felodipine, Nicardipine-

Block L-type/slow Ca channels for coronary VD or spasm relief.

Antithrombotic & anti-platelet			
Aspirin	Dipyridamole	Thienopyridine deriv.	
	Non-nitrate	Purine-receptor blockers on platlets to stop aggregation activation	
	Potentiates PGI2 (prost-acyclin)	-Ticlopidine-	
	Essentially, increases presence of the VD adenosine.	SE: neutropenia	
	prophylaxis for chronic angina pectoris.	-Clopidogrel-	
		reduced neutropenia	

K channel agonist

-Nicorandil-

Chemical class: Nicotinamide nitrate ester

Direct vasodilator for both normal and diseased coronary arteries.



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