

HTN hints:

CCB (amlodipine):

- Non dihydropyridine: diltiazem and verapamil (moa= less calcium flows into heart, neg inotrope- less sa node and av node conduction, lower HR and BP)
- Dihydropyridine: end in "dipine" (moa= less calcium flow to smooth muscle and cardiac myocytes, dilates arterioles and coronary arteries, less afterload/PVR and BP)
- Special traits: she wears vera wang down to her digits= verapamil increases digoxin and is most inhibitory at av node (has action on both heart and vessels)
- Knife in my heart makes me bleed out= nifedipine has greatest effect on bo
- Diltiazem is bet the two and is used for variant angina

Amlodipine:

- Indications: htn and angina
- With celecoxib used for htn and osteoarthritis (ccb, milk- helps with bones)
- Precautions: She bec side effect is gynecomastia= aortic stenosis, hepatic impairment and exacerbates cad/unstable angina
- Side effects: My mother is afraid of the pool but she was forced to DIP IN. So she got palpitations, flush, dyspepsia, Headache. When she was in the pool, she swallowed water- **peripheral edema, vertigo**- from struggling. She also had pain all over- myalgias. Her fear of the pool came from when she saw a boy with **Gynecomastia**
- **Nimodipine:** (Wizards of Waverly Place) Alex calls Justin a **Nimrod** and flicks his **head** because he's the only CCB that doesn't treat HTN - but treats subarachnoid hemorrhages.

Beta blockers (end in "lol"):

- Indications: not first line htn, angina, post mi (not during acute attack), panic attacks, performance anxiety, migraine prophylaxis, HF
- Moa: beta one= neh chronotrope, neg. Inotrope, neg dropotrope, inhibits renin
- Beta two=
- Non selective BB: Tim (timolol) is indecisive about food but decides to grill on his propane (propranolol) grill for his wife nadine (nadolol). He takes a pen(penbutolol) to carve (carvedilol) out the menu. It turned out great. But, his labrador (labeledalol) put a pin (pindolol) in his joy when he stole the meat.
- BB for migraine prophylaxis: Tim (timolol) and his wife nadine (nadolol) fought over the propane (propranolol) grill.
- Cardioselective BB: one day I went to a mets (metoprolol) and bet (betaxolol) my bis. Partner (bisoprolol) that they would win. He called me a neb (nebivolol) but ate his words (atenolol) when I was right. He had to give me an ace (acebutolol) as discussed.
- BB with ISA: pens (penbutolol), pins (pindolol) and aces (acebutolol) all have excess power and can stimulate (pens write, pins can kill, ace is highest card in deck)- dont use in angina or hx of mi
- Labetalol indication: labrador is like a man's child and best friend, can help in emergency= use in gestational htn and hypertensive emergency
- Carvedilol indication: carve meat = meat causes htn and hf
- Nebivolol: has nitric oxide vasodilatory effect (like nebulizer)
- Side effects: decreased HR, erectile dysfunction, nightmares, insomnia, hallucinations
- Don't use b2 in pts with asthma or hypoglycemia. Can use b1 cautiously in someone with lung disease
- **Beta blockers that block B1, B2, and A1**  
They can Care Less !!! They block everything

Carvedilol, labetalol