**Name :NASEER U DDIN**

**Id : 14465**

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**4th  semester**

**Bs Dt**

**Assignment: General pharmacology**

**Drugs used for hypertension**

**DIURETICS :**

***MOA****:*

*Act on V-2 receptor in kidneys (vasopressin* receptor) having an antediuretic function---- leads to diuresis----increased secretion of Na & H2O decrease in blood volume ----decreased CO--- decreased BP

*Specific agents*

*Thiazides diuretics: chlorthalidone*

*Loop diuretics :Furosemide*

*K+ sparing diuretics :Spironolactone*

**Adverse effects**

*dizziness,*

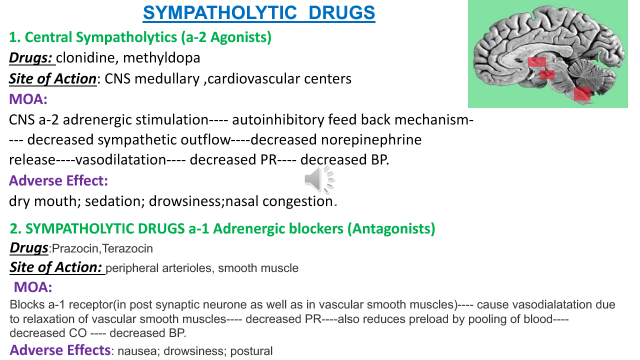
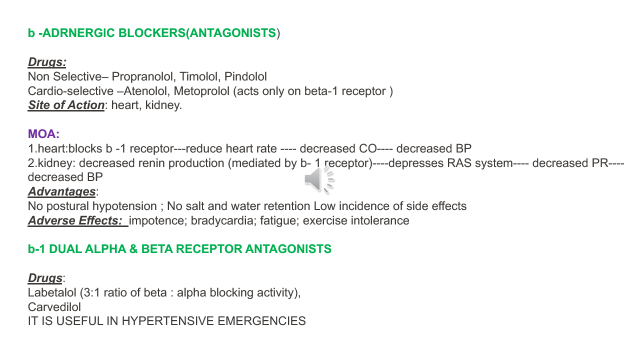
*electrolyte*

*imbalance/depletion,*

*hypokalemia,*

*hyperlipidemia,*

*hyperglycemia*

***Drugs used for cardiac heart failure***

Is the ability of heart failure to pump blood to meet the demands needs of the body

**Types**

1. **RHF**
2. **LHF**
3. **CCF**

**Drug used for heart failure**

1. Diuretics e.g frusemide , spironolactone , amiloride (lasix , lesoride , spiromide)
2. ACE inhibitors e.g captoril ,enalapril , lisinopril .
3. Losartin potassium eg ezady , antagonist of angiotensin 2 receptor
4. Vasodilators eg nitrates ,nitroglycerin , isosorbide , mononitrates
5. Digoxin or dopamine in severe caseeg lanoxin 0.25