

PHARMACOLOGY

testbank - mid - CVS

LECTURE BY LECTURE



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Antihypertensives

Which is an example of thiazide diuretics?

A

Furosemide

B

Bumetanide

C

Chlorothiazide

D

Ethacrynic acid

Which beta blockers are cardioselective?

A

Timolol

B

Metoprolol

C

Pindolol

D

Propranolol

What is the primary action of β -adrenergic blocking agents?

A

Forming potent vasoconstrictor angiotensin II.

B

Decreasing glomerular efferent arteriolar resistance.

C

Stabilizing renal function in diabetes.

D

Reducing peripheral vascular resistance without reflexively increasing cardiac output.

What are the contraindications for ACE inhibitors?

A

Diabetes

B

Pregnancy

C

Hypertension

D

First-dose syncope

Which of the following drugs is useful for treating hypertension of pheochromocytoma?

A

Acebutolol

B

Pindolol

C

Carvedilol

D

Labetalol

- A 65-year-old man comes to the office for the evaluation of a dry, nagging cough. He does not have chest pain or shortness of breath. The rest of the review of systems is within normal limits. Past medical history is significant for type 2 diabetes mellitus, congestive heart failure, and hypertension. The patient does not use tobacco, alcohol, or recreational drugs. Lungs are clear to auscultation bilaterally. Laboratory results show a serum creatinine of 1.2 mg/dL and potassium of 4.9 mEq/L. Chest x-ray is unremarkable. Which of the following medications is most likely responsible for these findings?

- A-Furosemide
- B-Lisinopril
- C-Digoxin
- D-Amiodarone
- E-Metformin

Irbesartan and Losartan are

answer choices

- A** Angiotensin II blockers
- B** HMG Co-A Inhibitors

- C** ACE inhibitors
- D** Sinus node inhibitor

ACEI and ARBs are not used in

answer choices

- A** Hypertension
- B** Myocardial Infarction

- C** Diabetic nephropathy
- D** B/L Renal Artery stenosis

What drug is used in hypertensive emergencies?

A

Digoxin

B

Nitrates

C

Spironolactone

D

Verapamil

D
B
A
D
B

Which of the following drug cannot be given to patients who had sulfa hypersensitivity?

A

Furosemide (Lasix)

B

Chlorothiazide &
Hydrochlorothiazide

C

ethacrynic acid

D

bumetanide

Which drug is used to decrease migraine and brain hemorrhage?

A

Timolol

B

Propranolol

C

Verapamil

D

Pindolol

Which of the following drugs is a B-adrenergic blocking agent?

A

Carvedilol

B

Clonidine

C

Minoxidil

D

Spirolactone

What is the drug of choice to treat hypertension in black people who have angina and diabetes?

A

Thiazide diuretics

B

Calcium channel
blockers

C

Beta blockers

D

ACE inhibitors

A 33-year-old woman presents to her primary care physician for evaluation of performance anxiety. The patient recently started a new job where she must give frequent presentations. During these presentations, she develops a trembling voice, fast heart rate, and she “feels like the world is closing in on me.” If the office, vitals are within normal limits. Physical examination is unremarkable. The patient is started on a non-selective β -blocker for management of her symptoms. Which of the following medications was she most likely prescribed?

1. **Betaxolol**
2. **Esmolol**
3. **Metoprolol**
4. **Propranolol**
5. **Atenolol**

Which type of hypertensive patient can benefit from the combination of ACE inhibitors and thiazides?

A

Patients with angina and diabetes

B

Black patients

C

Patients with bilateral renal artery stenosis

D

Patients in England and Australia

The physician discusses the risks and benefits of starting the patient on lisinopril to manage his hypertension. Which of the following is a contraindication to this medication?

1. **Sulfonamide hypersensitivity**
2. **Chronic obstructive pulmonary disease**
3. **Bilateral renal artery stenosis**
4. **Congestive heart failure**
5. **Gout**

What Adverse effect is associated with minoxidil use?

A

Orthostatic hypotension and Syncope

B

Sedation

C

Changes in vision

D

Fluid retention

ANTIANGINALS

Which type of drug can be used to control angina caused by spontaneous coronary spasm?

A

Verapamil

B

Beta blockers

C

Chlorothiazide

D

Acebutolol

To prevent toxicity due to continuous nitrate administration, what should be done?

A

Provide a daily nitrate free intervals

B

Increase dose

C

Switch medications

D

Decrease dose

In patients with vasospastic (Prinzmetal) angina, what is especially effective?

A

Nitrates

B

Beta-blockers

C

Channel Blockers

D

Combination Therapy

HEART FAILURE

Which drug is commonly prescribed to treat heart failure in African Americans?

A

Magic

B

Digoxin

C

Hydralazine and
Mononitrates

D

ACE Inhibitors

Which medication is useful in the treatment of acute heart failure?

A

Digoxin

B

Centrally acting
adrenergic drugs

C

Eplerenone

D

Dobutamine

Which of the following is contraindicated in congestive heart failure patients?

A

Verapamil

B

Losartan

C

Minoxidil

D

Labetalol

What is the side effect of spironolactone?

A

orthostatic
hypotension

B

Gingival hyperplasia

C

Hyperkalemia

D

Emotional stress

What is the side effect of spironolactone?

A

luminous phenomena

B

gynecomastia

C

restless leg syndrome

D

xanthopsia

POSITIVE INOTROPIC DRUGS

What drug is used to treat acute heart failure?

A

Dobutamine

B

Positive Inotropic Medications

C

Ranolazine

D

Digoxin

which of the following is digoxin adverse effect ?

A

luminous phenomena

B

gynecomastia

C

restless leg syndrome

D

xanthopsia

After an appropriate workup, a decision is made to start the patient on digoxin therapy. Which of the following membrane ion channels is the primary target of this drug?

1. Sodium-calcium exchanger
2. Sodium channel
3. Potassium channel
4. L-type calcium channel
5. Sodium-potassium ATPase pump

Which of the following is an antidote used to treat Digoxin toxicity?

A

Eplerenone

B

Digibind

C

Digifab

D

Spirolactone

Which of the following drugs is a Positive inotropic medication?

A

Verapamil

B

Quinidine

C

Amiodarone

D

Dobutamine

What is the toxic effect of a drug which binds to albumin?

A

Toxic accumulation

B

Depletion of sodium in cell

C

Increase contractility

D

Increase calcium in cells

NEWER ANTIANGINAL DRUGS

Which medication can be used to improve exercise tolerance and reduce myocardial ischemia?

A

Eplerenone

B

Nicorandil

C

Digoxin

D

Ranolazine

Which drug is contraindicated in patients with Parkinsonian?

A

Eplerenone

B

Nicorandil

C

Trimetazidine

D

Spironolactone

What drug increases glucose consumption by the myocardium?

A

Eplerenone

B

Beta blockers

C

Nicorandil

D

Trimetazidine

Which of the following can cause restless leg syndrome?

A

Eplerenone

B

Ivabradine

C

Nicorandil

D

Trimetazidine

Which of the following drug interaction can cause drug toxicity?

A

Varapamil and Digoxin

B

Amiodarone and Quinidine

C

Minoxidil and Loop Diuretics

D

Ibuprofen and Bacterial Drugs

Which of the below drugs is known to cause luminous phenomena?

A

Digoxin

B

Ivabradine

C

Nicorandil

D

Ranolazine

What is the target of Trimetazidine?

A

Increase Calcium

B

Increase Glucose Consumption

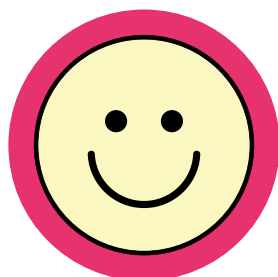
C

Inhibit Beta Oxidation

D

Increase Myocardial Ischemia

DREAM BIG,
WORK HARD,
MAKE IT
happen.



D
B
C