



**021
batch**

**CVS MID
Exam**



PHARMACOLOGY

- 1) Correct match drug-adverse effect:
 - a) Nifedipine – constipation
 - b) Verapamil – reflux tachycardia
 - c) Prazosin -first dose syncope
 - d) ACEI (pril) – hypokalemia

- 2) Which drug is contraindicated in mild-moderate liver dysfunction:
 - a) Trimetazidine
 - b) Nicorandil
 - c) Ivabradine
 - d) Ranolazine

- 3) Which drug is contraindicated in variant angina:
 - a) Propranolol
 - b) Mononitrate
 - c) Nifedipine
 - d) Verapamil
 - e) Diltiazem

- 4) Depletion in serum k⁺ by diuretic therapy cause intoxication by which of drug:
 - a. Digoxin
 - b. Atenolol
 - c. Fenoldopam

Answers: C – D – A – A

- 5) Correct match too:
Trimetazidine – restless leg syndrome
- 6) Which drug cause decrease diastolic perfusion time:
a) Isosorbide dinitrate
b) Atenolol
c) Pindolol
- 7) The drug that has a short elimination half-life & used in postoperative & intraoperative hypertension:
a) Sotalol
b) Esmolol
- 8) Drug that causes hyperuricemia:
a) Furosemide
b) Hydrochlorothiazide
c) A+b
- 9) Withdrawal effect can occur with which drug ?
a) Clonidine
b) Atenolol
c) A&B
- 10) Which of the following drug causes prolongation in QT intervals:
a) Nicronandil
b) Ranolazine
c) Ivabradine

Answers: A – B – C – C – B

- 11) ACEI differ than ARBs in which of side effect:

- a) Hypotension
- b) Cough
- c) Hyperkalemia

Answer: B

12) Drug that needs free interval 10 – 12 hr. at night:

Answer: Isosorbide dinitrate

13) Drug cause vasodilation and work on dopamine receptors in kidneys tubules:

Answer: Fenoldopam

14) Which one is the best drug prescribed for hypertension in pregnancy?

Answer : Methyldopa

ANATOMY

1) A patient comes to ER, after physical examination, doctor felt 5th intercostal pulsation, this pulsation is from:

- a) Apex
- b) Mitral valve

2) Incorrect statement:

- a. inferior vena cava enter the right atrium at the level of 5th costal cartilage
- b. right and left brachiocephalic join to form superior vena cava at the level of 3rd costal cartilage
- c. Esophagus cross the descending aorta at level of 7th vertebra

3) Which structure that is posterior to the right of arch of aorta:

- a. right bronchus
- b. right vagus
- c. left recurrent laryngeal nerve
- d. Right phrenic nerve

4) The visceral layer of the heart is supplied mainly by:

- a. Coronary arteries
- b. Internal thoracic

5) Which structure forms the anterior boundary of oblique sinus?

- a. Visceral layer of the right atrium
- b. Epicardium of left atrium

Answers: A- B – C - A - B

6) A patient has come to ER suffering from pain in his chest & left medial side of his arm, the nerve in which responsible to cause his pain:

- a. Intercostobrachial nerve
- b. Phrenic

7) Incorrect statement:

- a. Blood circulate 180 from mitral valve to aortic
- b. anterior wall of Rt atrium has fossa ovale
- c. The anterior and posterior wall of right atrium separated externally by sulcus terminalis

8) 2nd posterior right intercostal vein drain directly by:

- a. Azygous vein
- b. Brachiocephalic vein
- c. Right superior intercostal vein

9) Which of the following does not function of cardiac skeleton:

- a. Separates of the atria from the ventricles
- b. Facilitate electrical current between atrium and ventricle
- c. Acts as Framework for the attachment of myocardial fibers
- d. Maintain valve orifices open and prevent them from overly distended
- e. Attachment point for valve cusps

10) The anterior 9th intercostal artery is branch of :

- a. Musculophrenic artery
- b. Internal thoracic artery

11) Which of the following is directly superior to tricuspid valve?

- a. atrioventricular septum, separating the right atrium from the left ventricle
- b. Fossa ovalis
- c. Interventricular septum

Answers: A- B – C – B – A – A

12) the left marginal artery is branch of:

- a. Left coronary artery
- b. Circumflex artery
- c. Right coronary artery

Ans: B

HISTOLOGY & ANATOMY LAB

12) Aorta is characterized by:

- a. Thickened tunica adventitia with many vasa vasorum
- b. tunica media with many layers of smooth muscle
- c. indistinct internal lamina
- d. Thick wall and narrow lumen

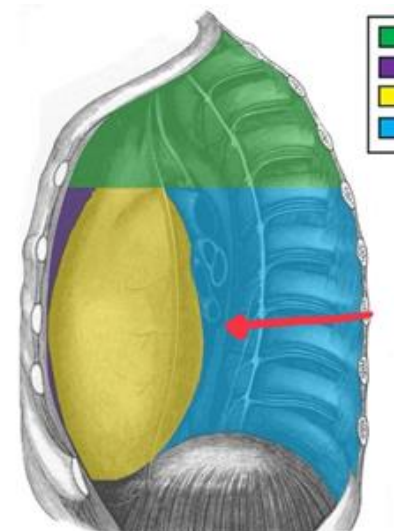
Ans: C

13) Which of the following prevents vessel coagulation:

Ans: endothelium

14) Which structure passes in the following space?

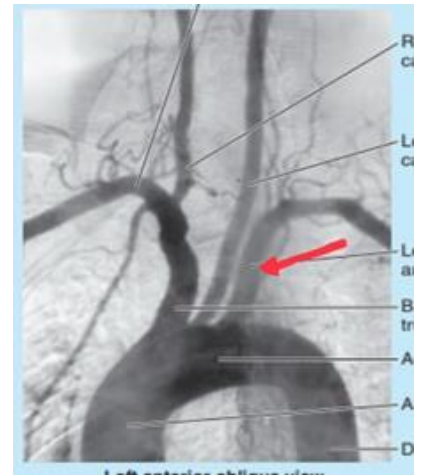
- a. Phrenic nerve
- b. Descending thoracic aorta
- c. Inferior vena cava



Answer: B

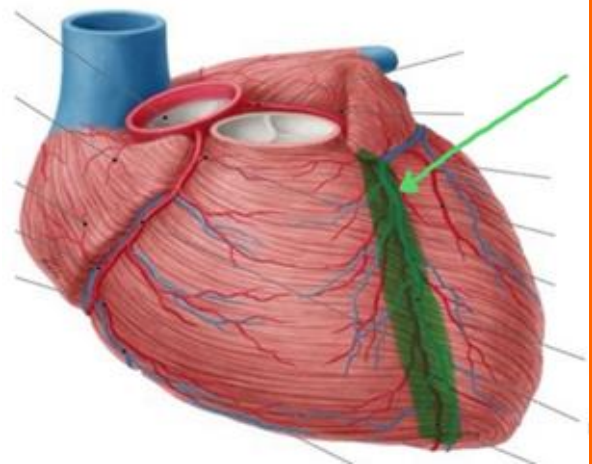
15) The following structure enter the neck at level?

- a) Left sternoclavicular joint.
- b) Right sternoclavicular joint
- c) Left 3rd costal cartilage



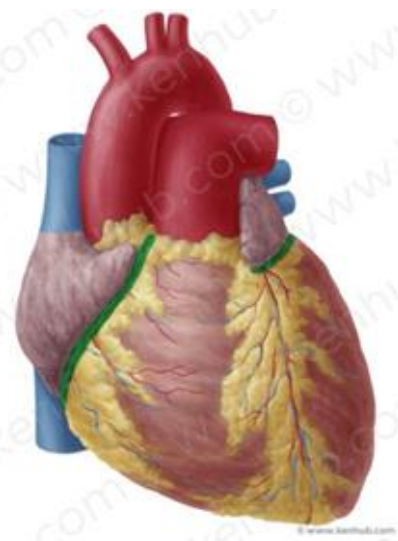
16) Which structure that passes in the arrowed place:

- a. Posterior interventricular artery
- b. left anterior descending artery



17) one of the following passes in this structure:

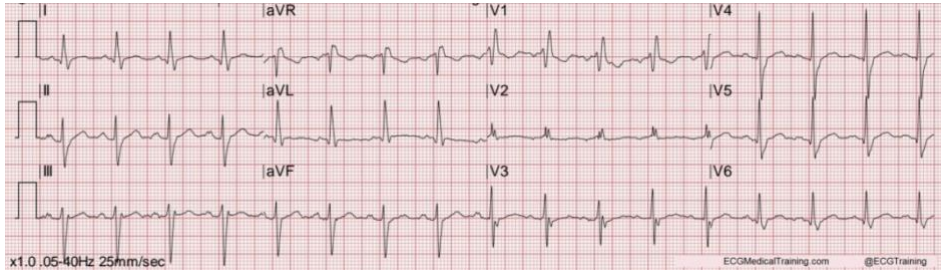
- a. Coronary sinus
- b. Anterior interventricular artery
- c. Posterior interventricular artery



Answers: A -B – A

PHYSIOLOGY

1) ECG pic shows :



- a) Heart rate is around 100 bpm
- b) Right axial deviation
- c) Bradycardia
- d) Severe right axial deviation
- e) Cannot be determined

2) Right axis deviation lies in:

- a) -30, -90
- b) +90, +180

3) ECG wave is presented only with:

- A- Incomplete depolarization & complete repolarization
- B- Complete depolarization & incomplete repolarization
- C- Incomplete depolarization & incomplete repolarization
- D- Complete depolarization & complete repolarization

4) In contrast to skeletal muscles, ventricle muscles are special in:

- a) Well-developed SR
- b) Small amount of mitochondria
- c) Calcium in SE reticulum
- d) Presence of Gap junction
- e) Rich in T-tubules

Answers: A – B – C - D

5) Cardiac muscles can't have tetanization due to:

- a) Slower repolarization
- b) Na⁺ channels are inactivated & closed

6) Which feature make SA node the pacemaker of the heart?

- a) Membrane property
- b) -90 resting membrane
- c) Rapid influx of Na⁺ during depolarization

7) Which of the following is true regarding cardiac cycle?

- A- All four valves never open simultaneously
- B- All four valves never close simultaneously

8) Digoxin:

- a) Increase intracellular Ca⁺⁺
- b) Activate Na-K ATPase pump
- c) Increase K⁺ intracellular
- d) Decrease Na⁺ intracellular
- e) inhibit Na/Ca exchanger

9) Beta 1 agonist cause decrease in:

- a) Slope of phase 4
- b) duration of cardiac cycle

10) Positive inotropic agent cause?

Ans: increase Ca⁺⁺ intracellular

Answers: B – A – A – A – B

PATHOLOGY

- 1) Correct about fat embolism syndrome:
 - a. Cassion disease
 - b. Causes decompression sickness.
 - c. Fat globule cause systemic immune response

- 2) White infarction happen in all of the following, except?
 - a. Heart
 - b. Spleen
 - c. Skeletal
 - d. Lung

- 3) Marfan syndrome is a risk factor for:
 - a. Aortic dissection
 - b. Mycotic aneurysm

- 4) True statement regarding vascular & cardiac cancers:
 - A) Cavernous hemangiomas is most common of hemangiomas
 - B) Kaposi sarcoma Considered as boarderline tumors
 - C) Benign cardiac tumors are common

- 5) Refers to ingrowth of endothelial cells, smooth cells and fibroblast into the fibrin rich thrombus:
 - a. Organized thrombus
 - b. Amniotic fluid

Answers: C- D- A- B- A

- 6) Which of the following considered as false aneurysm:

- a. Syphilitic aneurysm
- b. Graft hematoma

7) All of the following is form Virchow's triad, except?

- a. Endothelial injury
- b. Turbulent flow
- c. Laminar flow
- d. Hyper-coagulability
- e. Stasis

8) Filariasis can cause inflammation that is associated with?

- a. Lower limb edema Due to secondary lymphedema
- b. septic thrombus

9) Most venous thrombi target:

- a. Legs
- b. Lungs

Ans: B – C – A – B

10) Associate with hyperplastic arteriolosclerosis?

Ans: malignant hypertension

11) Atheromatous plaque location:

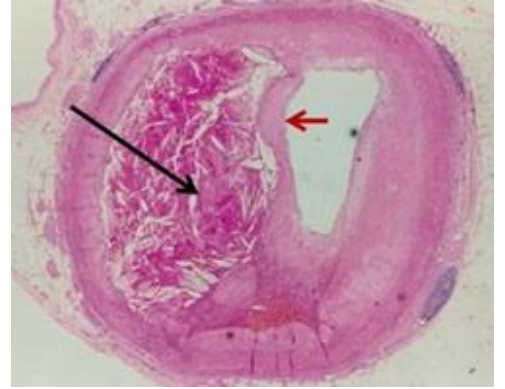
Ans: Tunica intima

12) Symptoms form a mass in the lung which compress the SVC vein, can cause?

Ans: dilatation in head & neck & arm veins

13) What do the whitish needle like structure represent?

Ans: Cholesterol crystal



14) A case of a baby has this lesion, this lesion present?

Strawberry hemangioma



{يَا أَيُّهَا الَّذِينَ آمَنُوا إِن تَنصُرُوا اللَّهَ يَنصُرْكُمْ وَيُثَبِّتْ أَقْدَامَكُمْ}