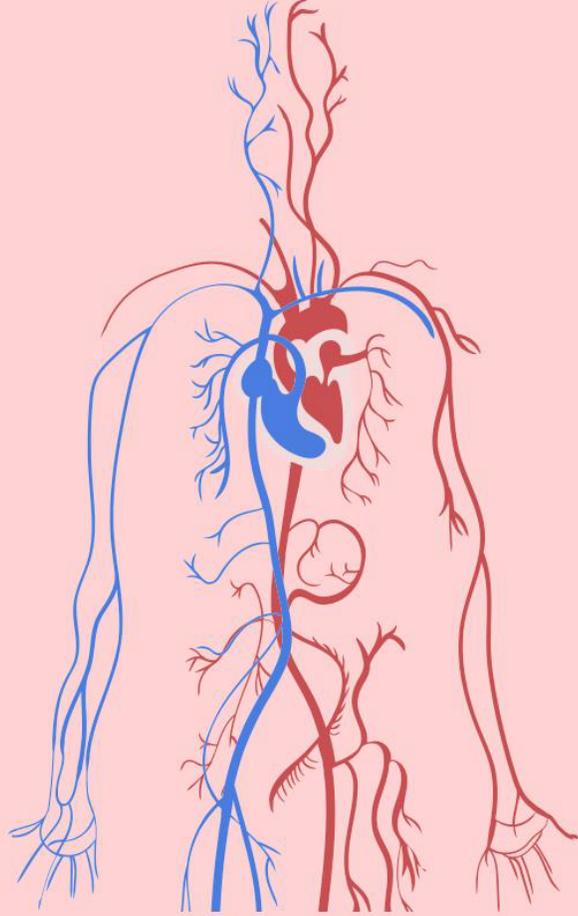


# CVS ARCHIVE

*Wateen - Lab*



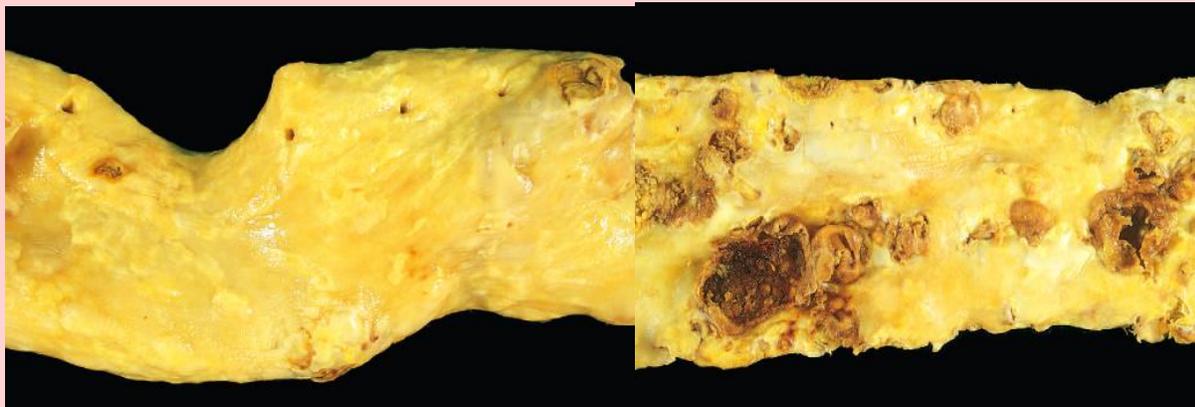
**Done by ::**

**الفريق الأكاديمي**

**الطب والجراحة**  
**لجنة**

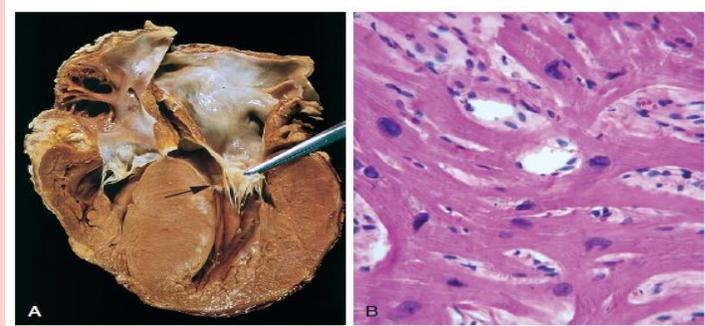
1- One of the following is not a modifiable risk factor

Answer: male



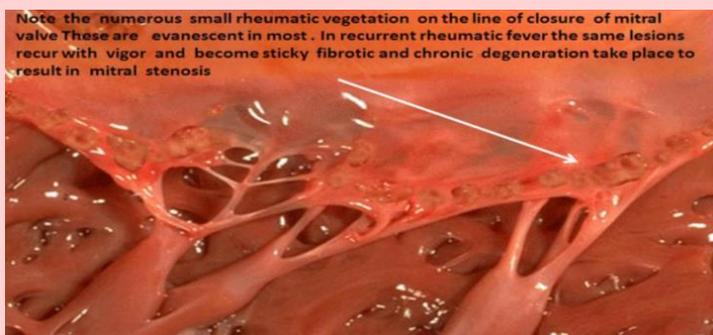
2- One is correct regarding to this picture ?

Answer: disease associated with heavy myosin's B chain /hypertrophy cardiomyopathy



3-this picture represent which disease?

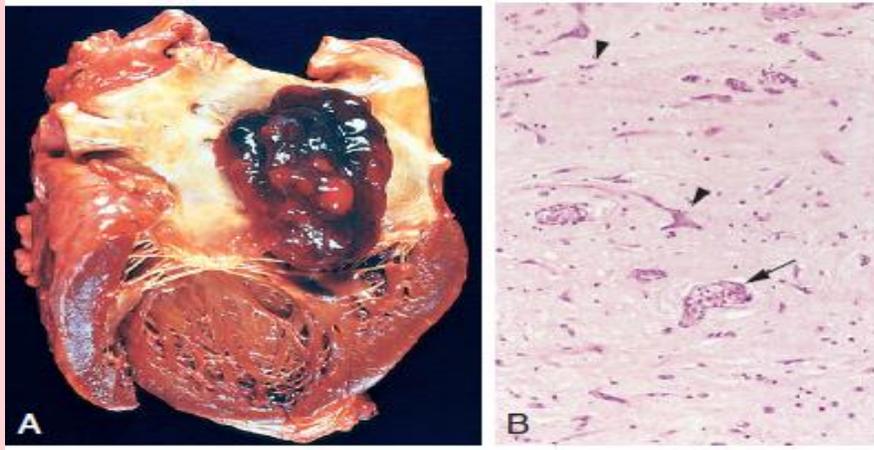
Answer: acute rheumatic heart fever



يسّر لي ما استصعبته نفسي

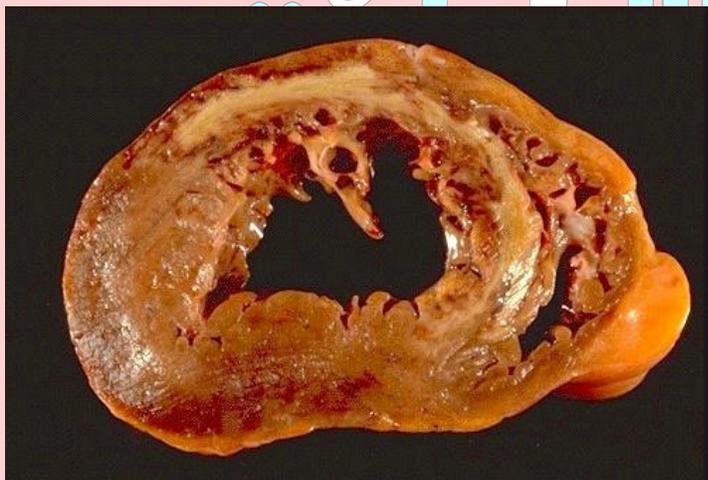
4- This picture indicate ?

Answer: myxoma



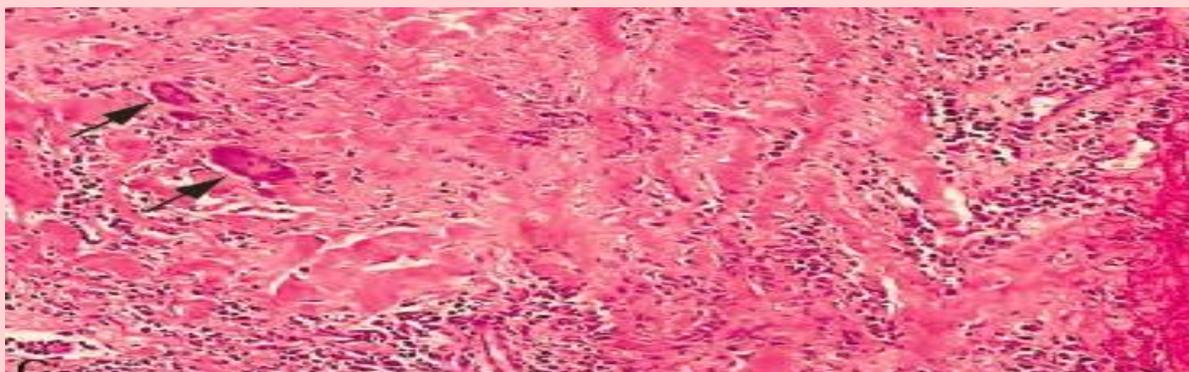
5- What period does this picture indicate ?

Answer: Within 2-8 weeks



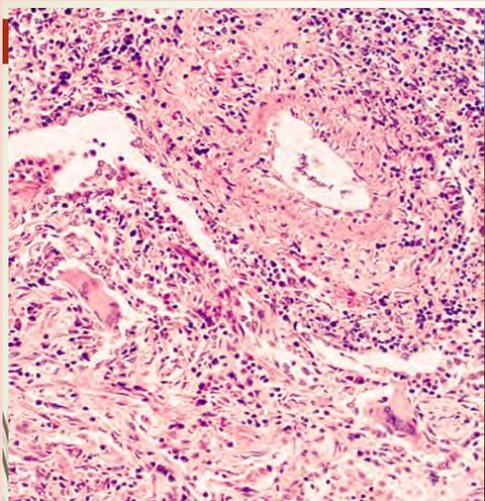
6- Which of the following is incorrect regarding this picture ?

Answer: it happened to women older than 50 years old



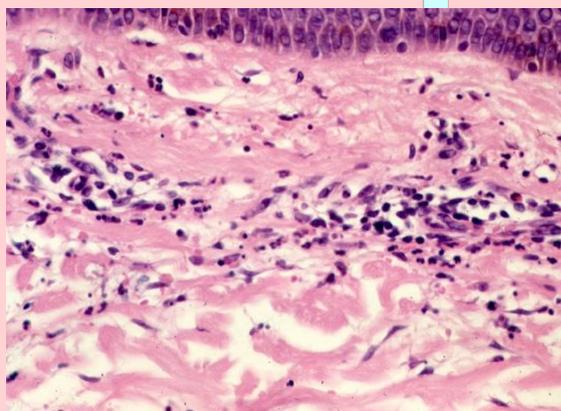
7- The histological picture indicate a disease which is ?

Answer : Granulomatosis With Polyangiitis



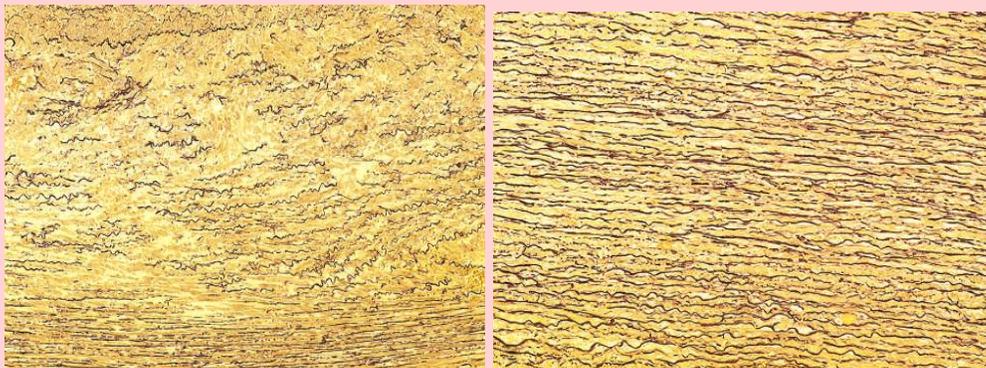
8- The histological picture indicate a disease which is ?

Answer: LEUKOCYTOCLASTIC vasculitis



9- Which of the following is incorrect regarding this picture ?

Answer: proliferation of smooth muscles



التفوق تجربة تستحق العناء



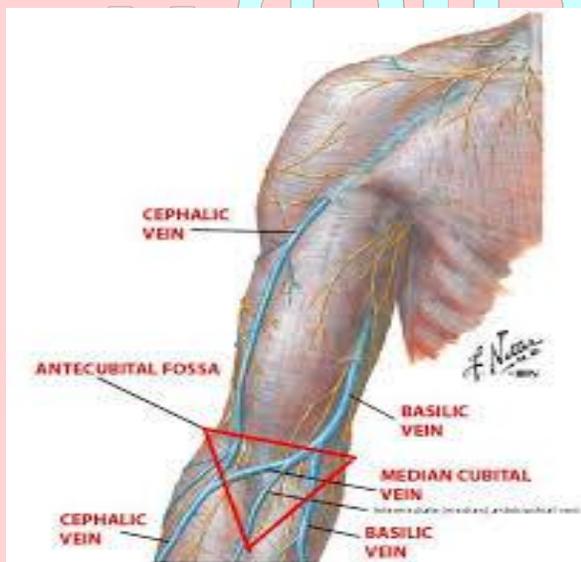
10 – which type of aortic dissection ?

Answer: deBakey type 2



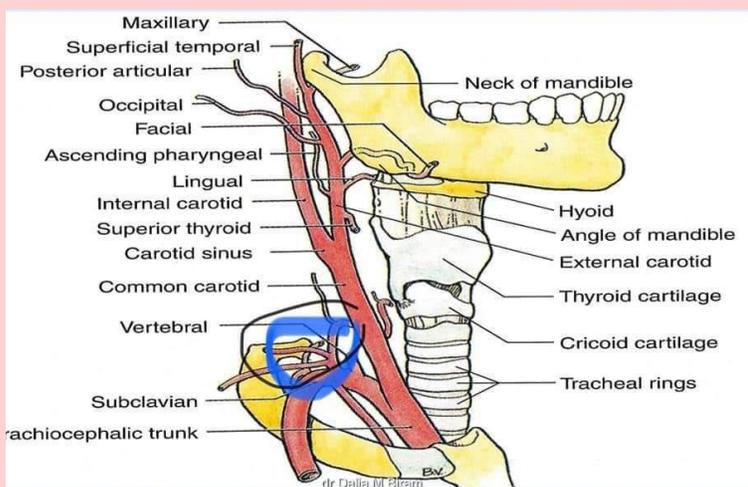
11-the arrow represent :

Answer: the cephalic vein



12- the arrow represent:

Answer: thyrocervical trunk



13- QT interval :

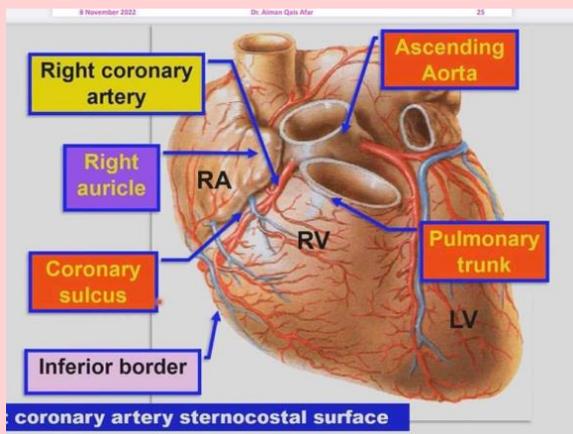
Answer: electrical ventricular systole

14- PR interval :

Answer: shorten by AV nodal rhythm

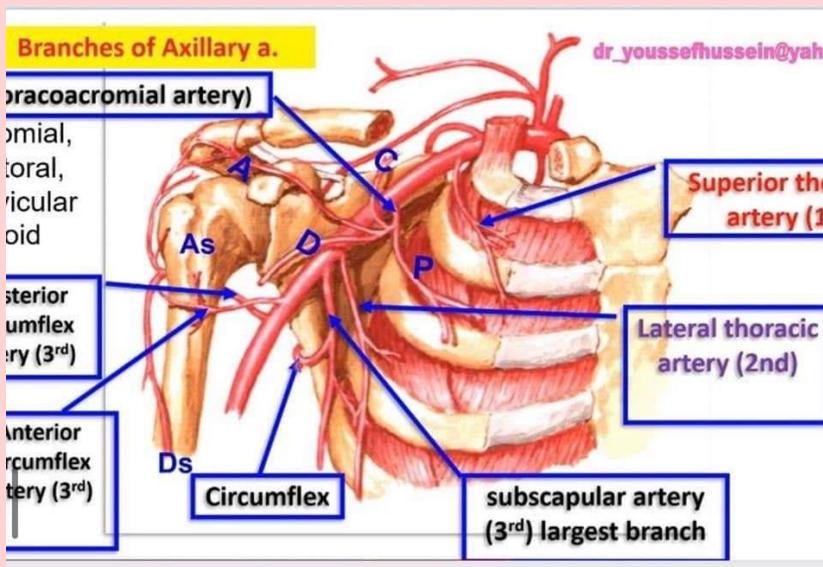
15- the arrow represent:

Answer: right coronary artery



16- this arrow represent :

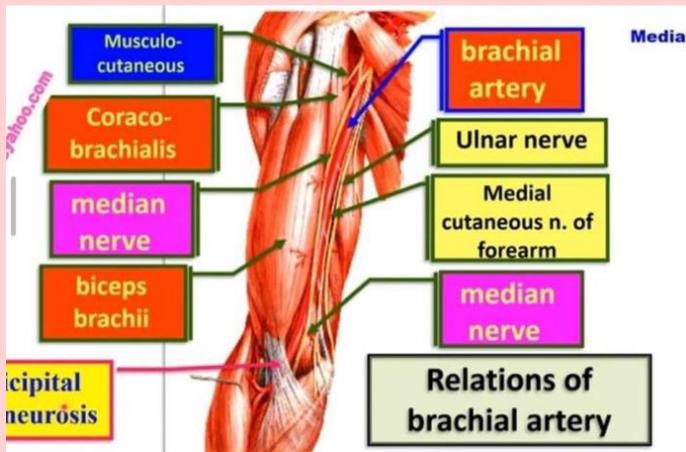
Answer: subscapular artery





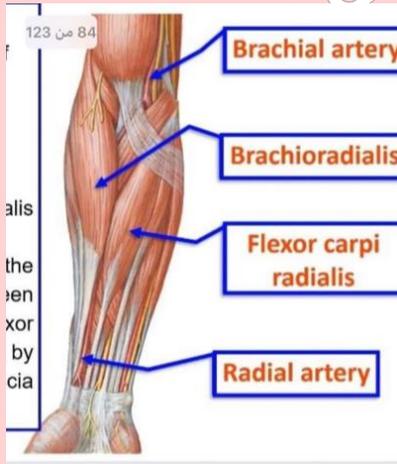
17- this arrow represents :

Answer: median nerve



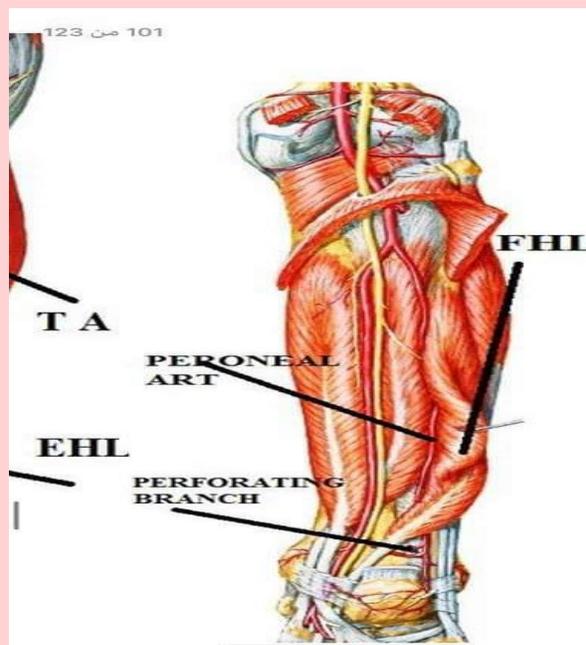
18- this arrow represent:

Answer radial artery



19- this arrow represent :

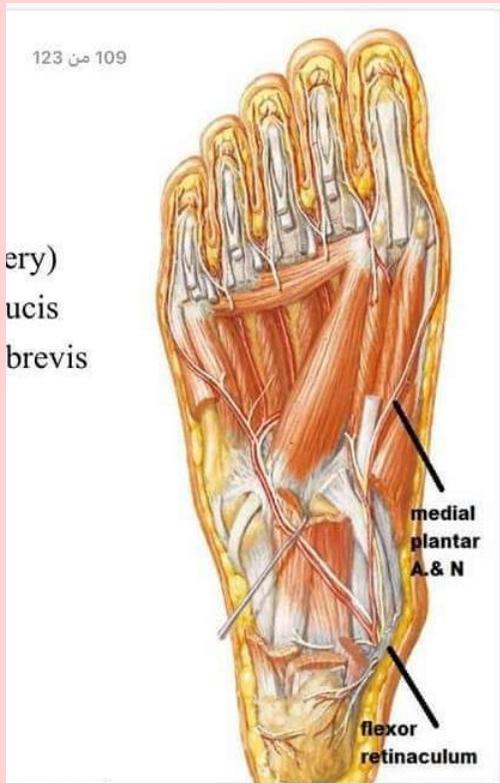
Answer: peroneal artery



الطب والجرارة  
الجنينة

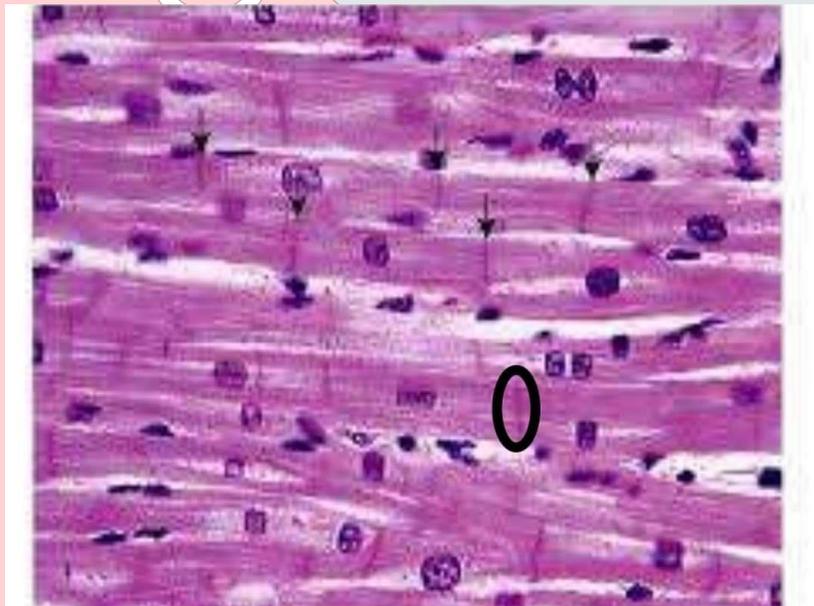
20- this arrow represent :

Answer : medial planter



21- which of the following is wrong regarding this picture?

Answer: Gap junctions to prevent the cells from pulling apart

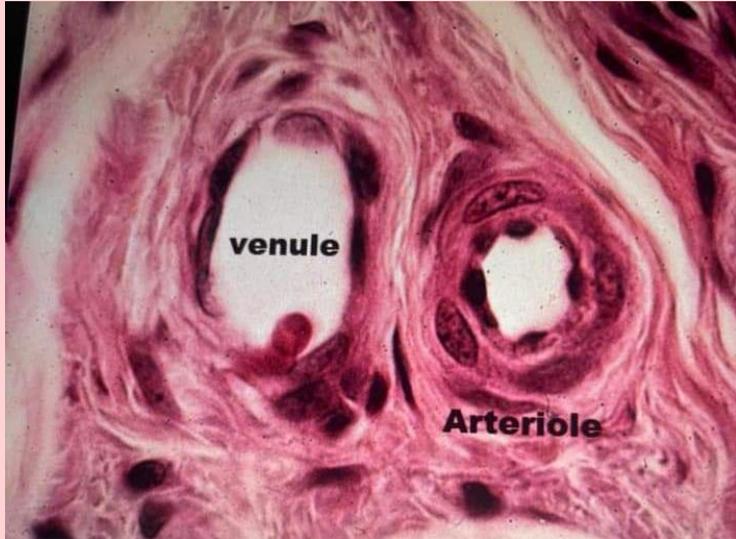


كن عالي الهمة ,, ولا ترضى بغير القمة



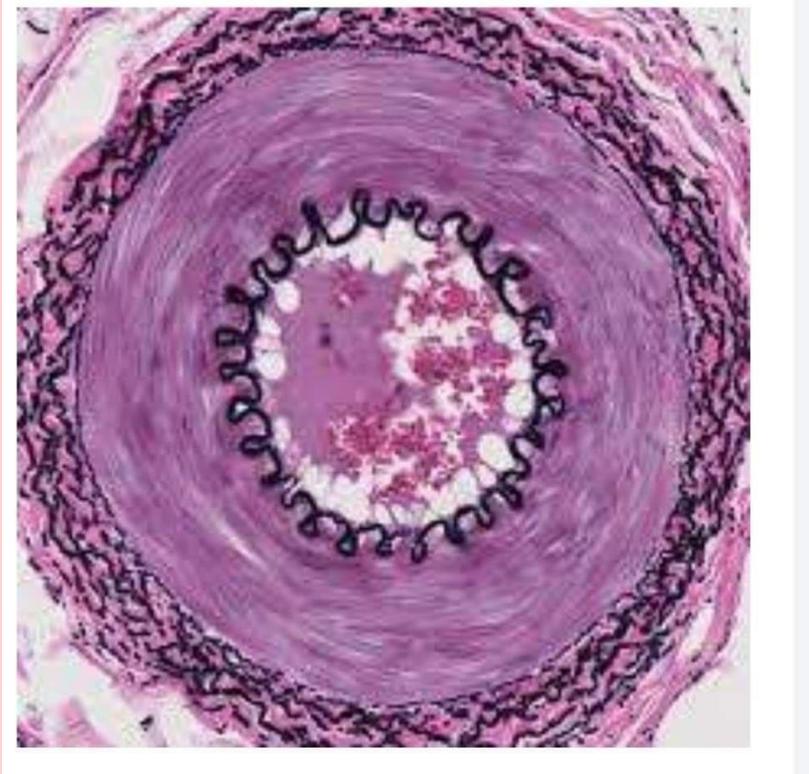
22- the arrow represent :

Answer: arteriole



23-what type of blood vessels is in the picture :

Answer: radial artery



اللهم إني أسألك خير المسألة ، و خير الدعاء و خير النجاح 

24- the lead 1 located :

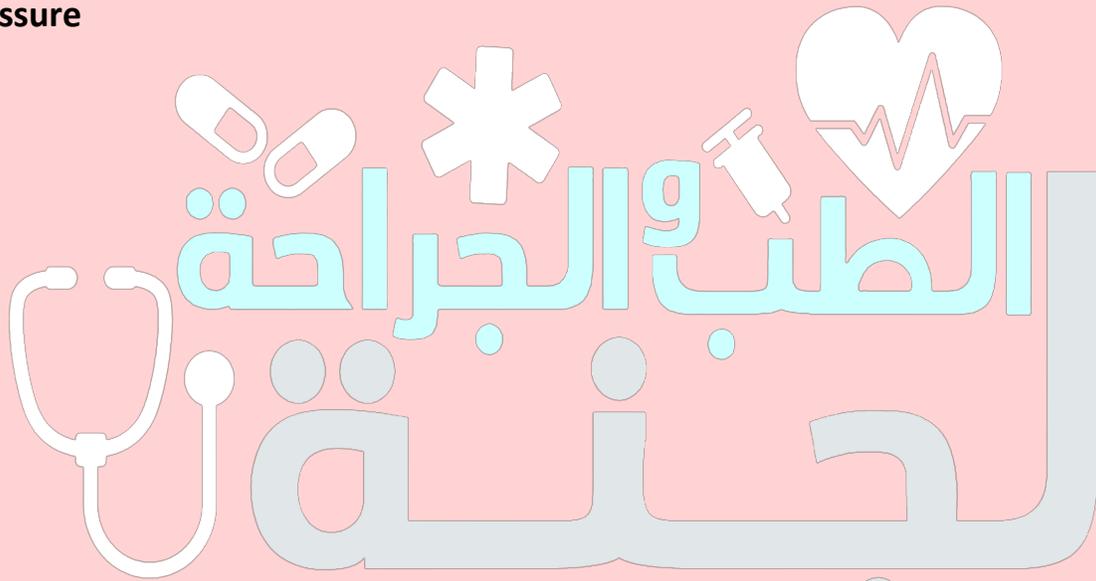
Answer: between the left arm and the right arm.

25- V6 located :

Answer: in the 5th intercostal space at the mid-axillary line

26-a patient suffer from atherosclerosis what are the possible changes to the pulse , diastolic and systolic pressures?

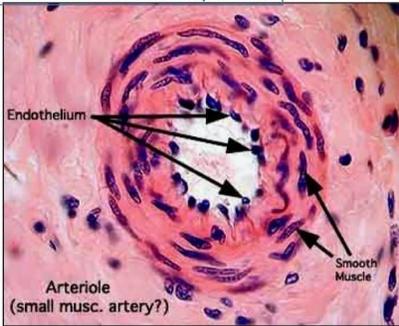
Answer : increase pulse and systolic pressures and decrease in diastolic pressure



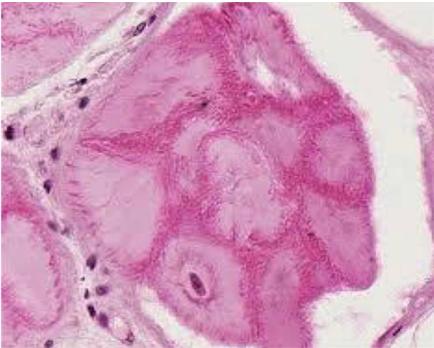
اللَّهُمَّ أَلْهِمْنَا عِلْمًا نَعْرِفُ بِهِ أَوْامِرَكَ وَنَجْتَنِبُ بِهِ  
نَوَاهِيكَ، وَارْزُقْنَا بِلَاغَةِ فَهْمِ النَّبِيِّينَ وَفَصَاحَةِ حِفْظِ  
الْمُرْسَلِينَ وَسُرْعَةِ إِهَامِ الْمَلَائِكَةِ الْمُقْرَبِينَ وَعِلْمِنَا  
أَسْرَارِ حِكْمَتِكَ يَا حَيُّ يَا قَيُّوْمُ

بالتوفيق ... 

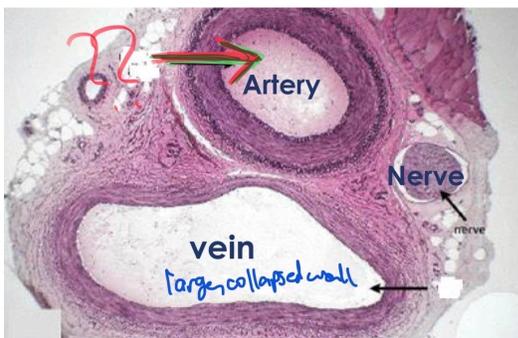
Q1: Identify the structure?  
A: Arterioles



Q2: Which of the following is FALSE about the following structure?  
-Myofibrils in center   
-Large   
-Has abundant glycogen

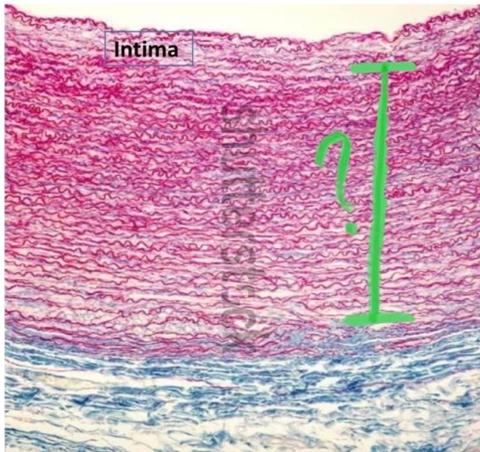


Q3: Identify the structure?  
-Muscular artery



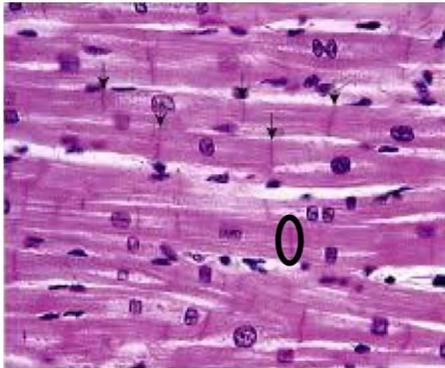
Q4: Identify the structure?

- Tunica media of elastic artery ✓
- Tunica adventitia of elastic artery



Q5: Which of the following is true about the following structure?

- Cells are connected by intercalated disc ✓
- Spindle shaped



Q6: Which is true about lead 1?

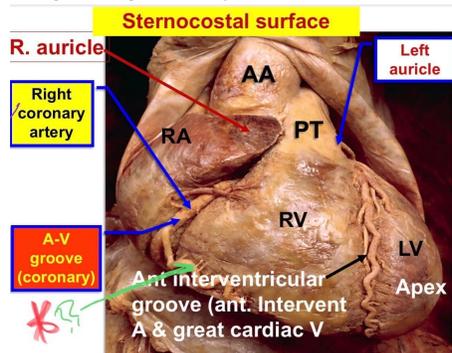
- Between the left arm and the right arm ✓

Q7: True about V4?

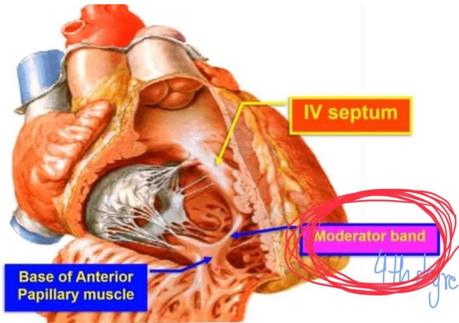
- 5th intercostal space at the left midclavicular line ✓

Q8: Identify the structure

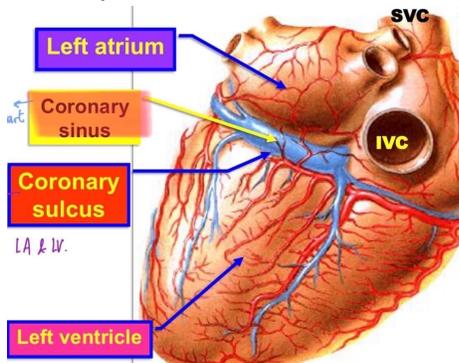
A: Right marginal artery



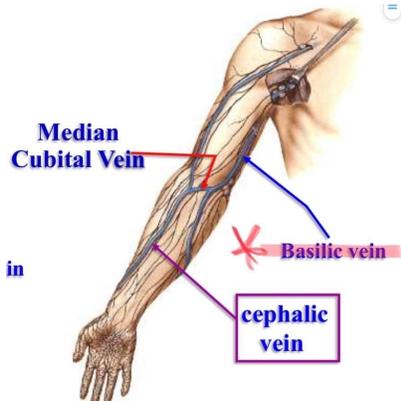
Q9: Identify the structure  
A: Moderator band



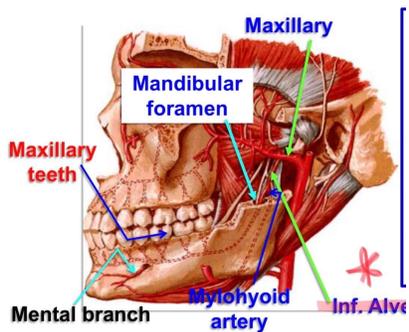
Q10: Identify the structure  
A: Coronary sinus



Q11: Identify the structure  
A: Basilic vein

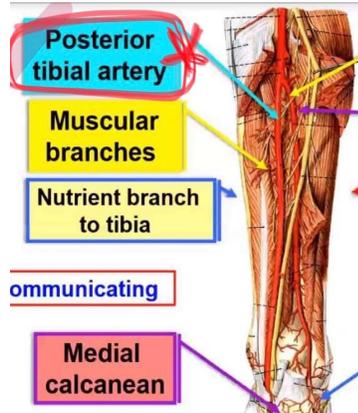


Q12: Identify the structure  
A: Inferior alveolar artery



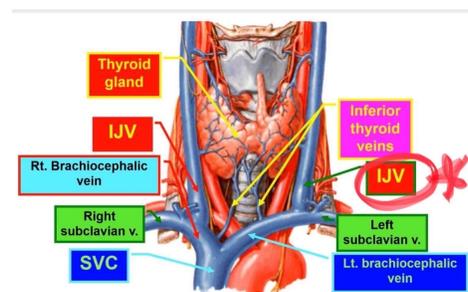
Q13: Identify the structure

A: Posterior tibial artery



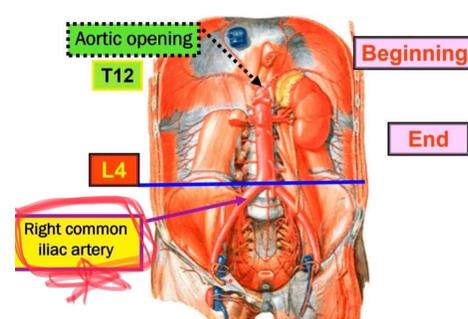
Q14: Identify the structure

A: IJV (يسر كان محدد على جهة معينة يا يمين يا يسار)



Q15: Identify the structure

A: common iliac artery



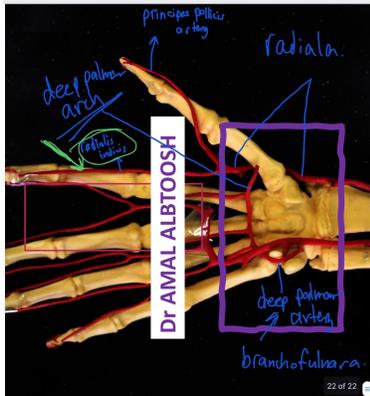
Q16: Identify the structure?

A: Superficial palmar arch



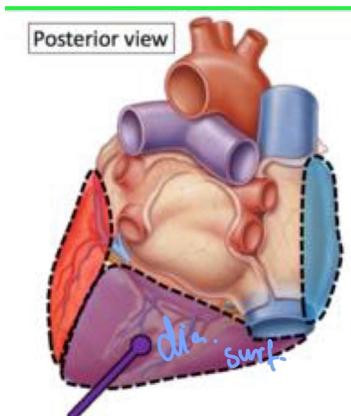
Q17: Identify the structure?

A: Radialis Indicis



Q18: اجت صورة بتشبه هاي للقلب من ورا وكان السؤال  
Which of the following is not in the picture?

- Right auricle ✓
- IVC
- Diaphragmatic surface
- Right border
- Base of the heart



Q19: If an individual's heart rate, total peripheral resistance, and compliance is constant, what will happen when stroke volume increase?

- Pulse pressure and MAB don't change
- Pulse pressure and MAB both increase ✓
- Pulse pressure and MAB both decrease
- Pulse pressure increase and MAB decrease
- Pulse pressure decrease and MAB increase

Q20: Someone was diagnosed by atherosclerosis. Which of the following will decrease?

- Systolic pressure
- Arterial compliance??
- Blood volume
- Diastolic pressure ✓

Q21: T wave represents?

- Ventricular depolarization
- Ventricular repolarization ✓

Q22:PR interval?

- Shortens in AV nodal rhythm ✓
- Shortens in AVN block
- (remaining choices were wrong)

Q23:Electrical Ventricular Systole?

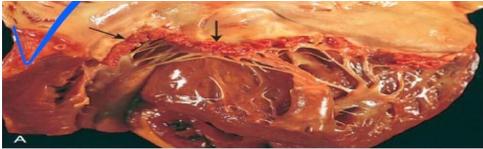
- QT interval ✓

Q24:BP 140/90....

- Pulse pressure is 50 ✓
- Diastolic is 140
- Systolic can't be determined

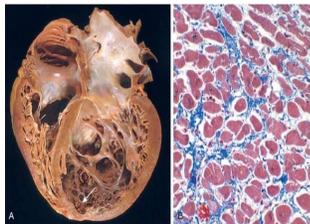
Q25:Identify the structure?

A:Non bacterial thrombotic endocarditis(NBTE)



Q26:Identify the structure?

A:Dilated cardiomyopathy(DCM)



Q27:Identify the structure?

A:systemic hypertensive heart disease

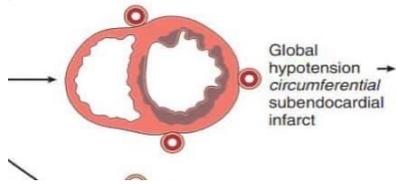


Q28:Identify the structure?

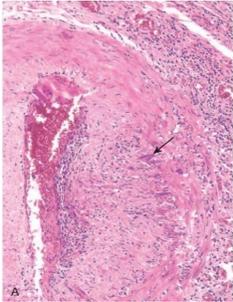
A:Fibrinous pericarditis



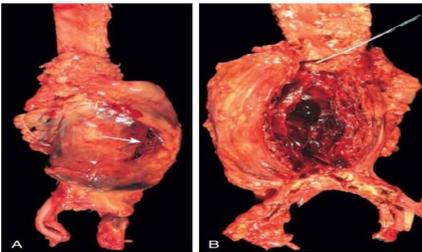
Q29: In this picture the infarction occurs in which blood vessel  
A: circumflex artery



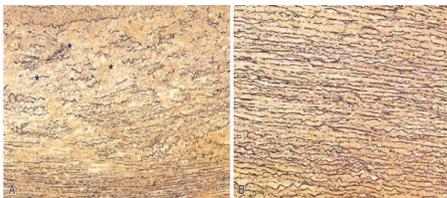
Q30: Identify the structure?  
A: Temporal (giant cell) arteritis



Q31: This aneurysm occurs in which structure  
A: abdominal aorta



Q32: Identify the structure?  
A: Cystic medial degeneration



# CARDIOVASCULAR SYSTEM

**LAB EXAM**  
**WAREED BATCH**

إعداد :



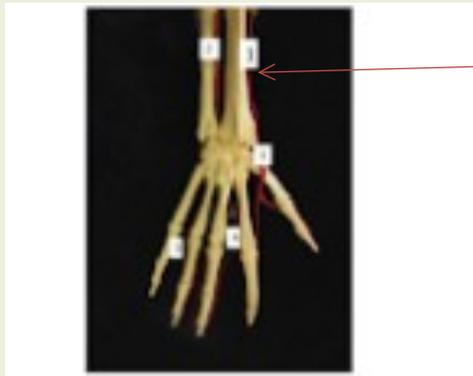
1- Electrical ventricular systole called ?

Select one:

- a. P- R inteval.
- b. Q - T interval.
- c. S - T segment.
- d. R - T segment.
- e. P-Q Interval.

Answer: B

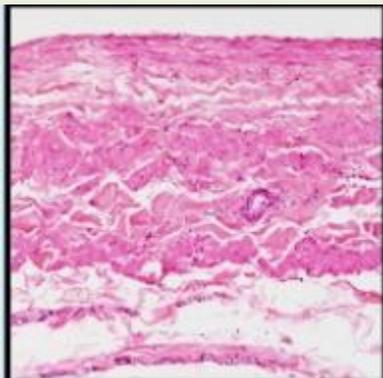
2- The labelled structure number 3 comes from?



- a. Radial artery. brachial artery, axillary, subclavian. aortic arch
- b. Ulnar artery, brachial artery, axillary. subclavian. aortic arch
- c. Radial artery, brachial artery, axillary. subclavian. brachiocephalic artery, aortic arch
- d. Deep palmar arch. Radial artery. brachial artery. axillary artery. subclavian artery. aortic arch
- e. Ulnar artery. brachial artery, axillary, subclavian. brachiocephalic artery, aortic arch

Answer: C

3- identify a histological feature?



- a. Internal elastic lamina
- b. Muscular artery
- c. Large vein
- d. External elastic lamina
- e. Tunica adventitia

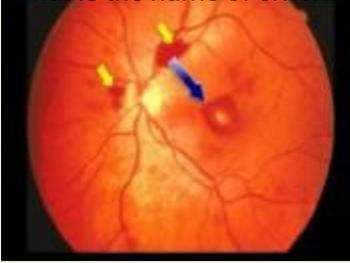
4- ALL the valves are tricuspid EXCEPT?



- a. A
- b. B
- c. C
- d. D
- e. E

Answer: D

5- 67-yearold male had rheumatic heart disease for thirty years. Three months prior to death he began to have episodes of fever and chills accompanied by signs of worsening congestive heart failure. What is the name of criteria used to diagnose this condition?



- a. John's criteria.
- b. Paradise criteria.
- c. Dallas criteria.
- d. Oxford criteria.
- e. Dukes criteria.

Answer: A

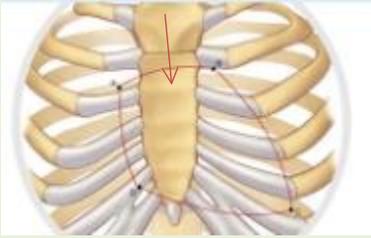
6- identify histological feature?



- a. Capillary
- b. External elastic lamina
- c. Tunica media
- d. Tunica media. elastic artery
- e. Tunica adventitia

Answer: A

7- BORDER "AB" formed of Except?



- a. right atrium
- b. Superior vena cava
- c. right auricle
- d. left auricle
- e. Left atrium

Answer: B

8- Which of the following is not true regarding auscultatory gap?



- a. Non Korotkoff sound
- b. Observed in older patients with a wide pulse pressure
- c. Underestimation of systolic and over estimation of diastolic if it is lull to recognize
- d. Observed in all people
- e. Avoid this problem by estimation the pulse obliteration

Answer: D

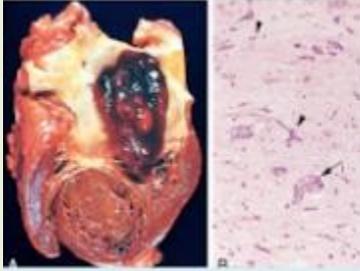
9- How old is the myocardial infarction seen extending from the anterior portion and into the septum?



- a. 14 days.
- b. A week
- c. 10 months
- d. 8 weeks
- e. 3 day

Answer: D

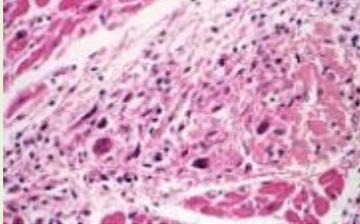
10- All the following are true regarding this heart lesion, except?



- a. it has nonmalignant potential (Benign).
- b. it is the most common type of heart tumor.
- c. The most common location is the right atrium.
- d. Can be diagnosed by Echocardiography.
- e. Can be presented with valvular 'ball-valve" obstruction.

Answer: C

11- This figure is the slide of a 9-year-old female had two previous attacks of rheumatic fever. She entered the hospital for the third time with painful swollen joints. liver. and pulmonary edema. She died with signs of progressive heart failure. What is the term for this pathognomonic cell for this disease?



- a. MacCallum cells.
- b. Anitschkow cells.
- c. aschoff cells.
- d. leman-Sacks cells.
- e. Reed-Sternberg cells.

Answer: B

12- The arterial complex in the box, choose the MOST appropriate statement? الصورة غير واضحة



- a. deep palmar arch
- b. superficial palmar arch
- c. direct continuation of ulnar artery
- d. supply the three lateral digits
- e. branch from the brachial artery

13- What is the labelled structure?



- a. Right coronary artery
- b. Left marginal artery
- c. Anterior interventricular artery
- d. Right marginal artery
- e. Left coronary artery

Answer: A

14- Which of the following is not consistent with Korotkoff sound?

Select one:

- a. Rhythmic noises
- b. Between systolic and diastolic pressure
- c. Phenomenon you need to be a ware when you measure blood pressure
- d. Occurs in small minority of patients
- e. turbulent blood flow

Answer: D

15- This face may be noted in which of the following patient?



- a. Restrictive cardiomyopathy.
- b. Severe mitral stenosis.
- c. Severe mitral regurgitation.
- d. Dilated cardiomyopathy.
- e. Cardiac myxoma.

16- What is the labelled structure?

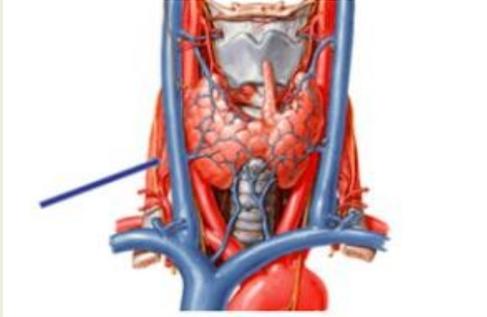


- a. Right vagus nerve
- b. Right phrenic nerve
- c. Left vagus nerve
- d. Vertebral artery
- e. Left phrenic nerve

Answer: C



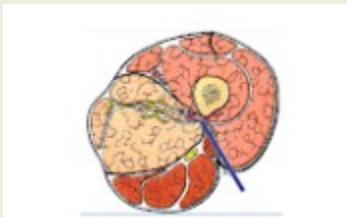
17- What is the labelled structure?



- a. Sternohyoid muscle
- b. internal jugular vein
- c. Scalenus anterior muscle
- d. Inferior thyroid artery
- e. Sternothyroid muscle

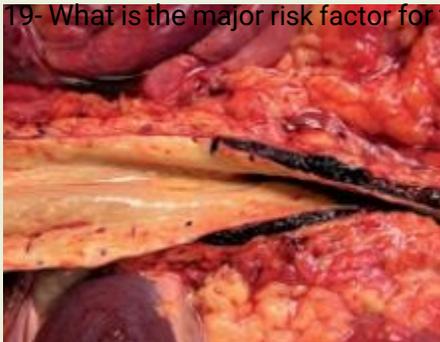
Answer: C

18- What is the labelled structure? الصورة غير واضحة



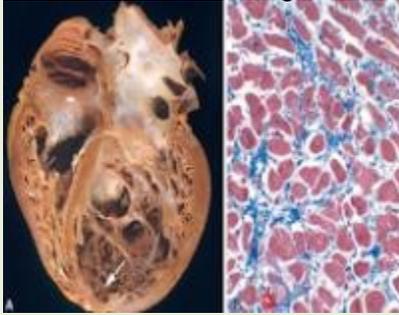
- a. Medial circumflex femoral artery
- b. Profunda femoris artery
- c. Lateral circumflex femoral artery
- cl. Profunda femoris vein
- e. The 4th perforating artery

19- What is the major risk factor for the findings you see in this picture?



- a. Smoking.
- b. Ago.
- c. Hypertension.
- d. Atherosclerosis.
- e. Diabetes.

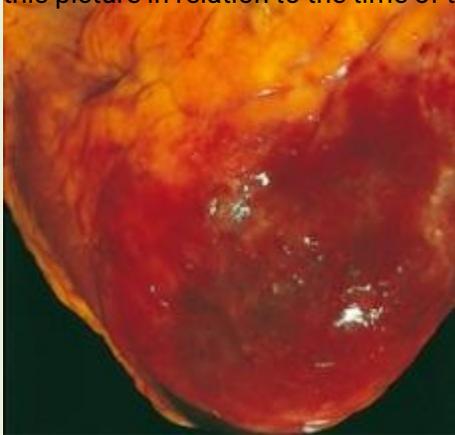
20- One of the following is true regarding the diagnosis of these pictures?



- a. It is a disorder of sarcomere protein.
- b. it is caused by infection. mostly viral in origin.
- c. It is caused by mutations of genes in the mitochondrial genome.
- d. It has been linked to nutritional deficiencies.
- e. It is caused by the deposition of extracellular proteins.

Answer: A

21- What is the typical time of presentation of the myocardial infarction complication illustrated in this picture in relation to the time of the ischemic insult?



- a. 7 days.
- b. 2 to 3 days.
- c. In the first hour.
- d. 8 weeks
- e. 10 days

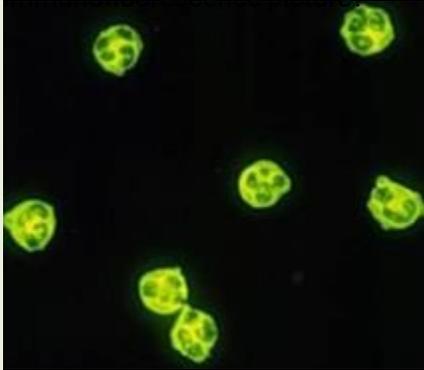
Answer: E

22- V4 of ECG the exploring electrode put at? Select one:

- a. 4th intercostal space at right sternal border.
- b. 4th intercostal space at left sternal border.
- c. 5th intercostal space at left mid clavicular line.
- d. 5th intercostal space at left mid axillary line.
- e. 2nd intercostal space at left mid clavicular line.

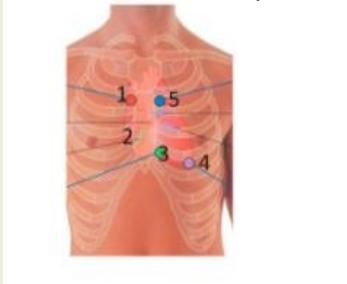
Answer: C  
الطبيب الجراحة  
لجنة

23- Which of the following diseases is associated with the antibodies highlighted in the immunofluorescence picture?



- a. Granulomatosis with polyangiitis
- b. Churg'Strauss syndrome.
- c. Microscopic polyangiitis.
- d. Kawasaki disease.
- e. Takayasu arteritis.

24- the first sound is produced by?



- a.5
- b.4
- c.3
- d.2
- e.1

Answer: B

25- What is the labelled structure?



- a. Lateral circumflex femoral artery
- b. Deep external pudendal artery
- c. Profunda femoris artery
- d. Medial circumflex femoral artery
- e. Superficial circumflex iliac artery

Answer: C  
الطبيب الجراح  
لجنة

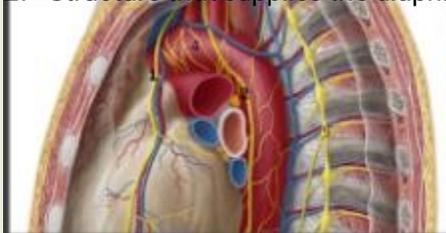
26- ALL the numbered structures pass in the superior and inferior mediastinum, EXCEPT?



- a.1
- b.2
- c.3
- d.3
- e.5

Answer: B

27- Structure that supplies the diaphragm is structure number?



- a.1
- b.2
- c.3
- d.4
- e.5

Answer: A

28- Which of the following should not be taken into consideration when a patient is diagnosed with hypotension?

- a. End organ dysfunction like urine output
- b. Baseline line blood pressure of the patients
- c. medical emergency led to temporarily or permanent damage to an organ
- d. Specific cut off value
- e. Acute problem

29- Right cardiac axis deviation caused by ?

- a. Right ventricular extra systole.
- b. Left ventricular extra systole.
- c. Pregnancy.
- d. Ascites.
- e. Short. obese adults.

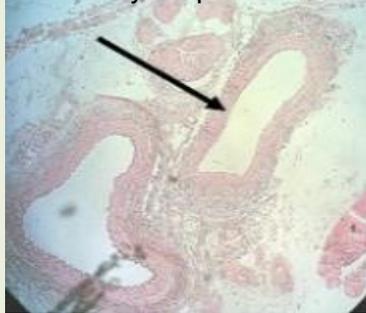
30- Regarding the measuring of blood pressure all the followings are true except?



- a. Blood pressure is cyclical
- b. The highest point of contraction is systolic pressure
- c. The very end of the diastole is called diastolic pressure
- d. The normal blood pressure should always be 120/80
- e. Among one of the most five vital physiological parameters of the body

Answer: D

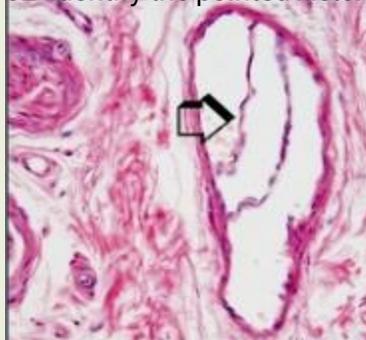
31- Identify the pointed histological structure?



- a. Umbilical artery
- b. Umbilical vein
- c. Muscular artery
- d. Muscular r vein
- e. large vein

Answer: B

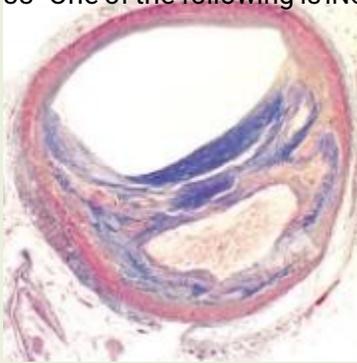
32- identify the pointed histological structure?



- a. Muscular artery
- in. Tunica media
- c. Vein valve
- d. Endothelial cells
- e. large vein

Answer: C  
الطبيب والجراحة  
لجنة

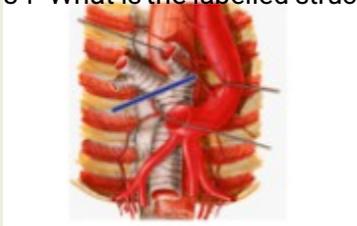
33- One of the following is INCORRECT regarding the features vulnerable Atherosclerotic plaques?



- a. Contain large numbers of foam cells.
- b. Contain abundant extracellular lipid.
- c. How: thin fibrous caps.
- d. Contain increased inflammatory cells.
- e. Contain many SMCs (smooth muscle cells).

Answer: E

34- What is the labelled structure? الصورة غير واضحة



- a. Left common carotid artery
- b. Lower left bronchial artery
- c. Left subclavian artery
- d. Left posterior intercostal artery
- e. Upper left bronchial artery

35- What is the labelled structure?



- a. Vertebral artery
- b. Superior intercostal artery
- c. Internal thoracic artery
- d. Suprascapular artery
- e. Inferior thyroid artery

Answer: C

36- Which of the following matched pairs are not true regarding hypertension?

Select one :

- a. Chronic hypertension- Systolic pressure is 140mmHg or greater
- b. Chronic hypertension- Measured at two separate visits
- c. Acute hypertension- Emergency
- d. Acute hypertension- You should only depend on specific cut-offs
- e. Primary hypertension- Important to identify with routinely screening the blood pressure

37- Left cardiac axis deviation caused by?

Select one: غير متأكدين من الحل

- a. Left ventricular extra systole.
- b. Right ventricular extra systole.
- c. Newborn.
- d. Deep inspiration.
- e. Tall, slender persons.

Answer: E

38- Identify a histological feature?



- a. Tunica media
- b. Tunica intima
- c. Tunica adventitia
- d. Intima, media and adventitia
- e. Intima and media

Answer: A

39- Lead I of ECG?

Select one:

- a. Measures the potential difference between left arm and right arm.
- b. Measures the potential difference between right arm and left leg.
- c. Measures the potential difference between left arm and left leg.
- d. Measures the potential difference between left leg and right leg.
- e. Is unipolar limb lead.

Answer: A

40- This artery is branch of?



- a. Left coronary artery
- b. Anterior aortic sinus
- c. Right posterior aortic sinus
- d. Right coronary artery
- e. Left posterior aortic sinus

Answer: D

انتهى

بالتوفيق لكم جميعا

