

CARDIOVASCULAR SYSTEM

MIDTERM EXAM
WAREED BATCH

إعداد :



1. Which of the following artery passes through the foramen lacerum?

Select one:

- a. Common carotid artery
- b. Middle meningeal artery
- c. External carotid artery
- d. Internal carotid artery
- e. Accessory meningeal artery

2. Which of the following matched pairs are not true?

Select one:

- a. Oxygen demand theory- Decreases the arterial oxygen saturation by 25% would increase blood flow to three quarters
- b. Oxygen demand theory- Your body is going to do the minimal amount of work it needs to get you back to a safe area
- c. Oxygen demand theory- The precapillary sphincter will open and shut based on O₂ availability
- d. Active hyperemia- Exercising
- e. Reactive hyperemia- Rebound effect of blood volume only affected by the time of occlusion

3. All following about statins are TRUE EXCEPT?

- a. First line therapy for reducing LDL
- b. inhibit HMG CoA reductase
- c. They are given as single oral dose in the evening
- d. Are administered immediately after AMI
- e. Rare side effect: muscle pain

4. Ventricular filling occurs in?

Select one:

- a. Maximum filling.
- b. Reduced filling.
- c. Atrial systole.
- d. In A, B and c.
- e. Both a and b.

5. Pyruvate dehydrogenase multienzyme complex is a key regulatory enzyme in glucose utilization: it can be inhibited by all of the following except?

- a. ATP/ADP
- b. NADH+H⁺+NAD⁺
- c. Acetyl CoA/CoA
- d. Citrate/pyruvate
- e. NADPH+H⁺/NADP⁺

6. Prenylated proteins and Coenzyme Q can be produced in order from the following intermediates of cholesterol synthetic pathway? Select one:

- a. Farnesyl pyrophosphate and HMG-CoA
- b. Squalene and geranylgeranyl pyrophosphate
- c. Dimethylallyl pyrophosphate and 2,3 oxidosqualene
- d. Geranylgeranyl pyrophosphate and Farnesyl pyrophosphate
- e. Mevalonate 5 phosphate and mevalonate 5 pyrophosphate

7. Regarding the Blood supply to the upper limb, which is FALSE?

Select one:

- a. The subclavian artery is divided schematically by scalenus anterior
- b. First part of the axillary artery gives one branch.
- c. The ulnar head of pronator teres separates brachial artery from the ulnar nerve.
- d. Pectoralis minor schematically divides the axillary artery into three parts.
- e. Superficial palmar branch is from radial artery in the hand.

8. All the following about thiazide diuretics are true except?

Select one:

- a. They reduces ABP due to reduction in the intravascular volume.
- b. They compete with uric acid for renal system and block its secretion causing hyperuricemia ‘
- c. Increase blood glucose level as result of elimination of Na and K.
- d. They are high efficacy diuretics.
- e. Cause hyponatremia and thrombocytopenia.

9. One of the following is not a major Criteria in the Jones System for Acute Rheumatic Fever?

Select one:

- a. Carditis.
- b. Arthralgia.
- c. Erythema marginatum.
- d. Migratory polyarthritis.
- e. Sydenham chorea.

10. Which of the following is not true regarding electrophysiology of the heart?

Select one:

- a. Extrinsic cardiac conduction system
- b. Automaticity
- c. Nodal cells generates rhythm or the base
- d. Contractile cells generates pumping action of the heart
- e. SA node is the primary sinus rhythm

11. Renin is released in the following conditions. except?

Select one:

- a. Renal Artery stenosis
- b. Hemorrhage
- c. Sympathetic stimulation
- d. Excess Nacl intake
- e. Renal ischemia.

12. 65-year-old healthy woman has a check of her health status and the only finding is a mid-systolic click on auscultation of the heart. Within 5 years she has increasing dyspnea. Echocardiography now shows mitral regurgitation from prolapse of a leaflet. Which of the following pathologic changes is most likely present in this valve?

Select one:

- a. Destructive vegetations.
- b. Infective endocarditis.
- c. Aortic regurgitation.
- d. Senile degeneration.
- e. Rheumatic fibrosis.

13. With respect to right coronary, all are true. except?

Select one:

- a. Supplies the lower part of inter-ventricular septum.
- b. Predominates in 50% of population.
- c. Supplies All right ventricle.
- d. Supplies the posterior wall of left ventricle
- e. Supplies the upper part of inter-ventricular septum.

14. Some of atherosclerosis risk factors are constitutional (and therefore less controllable), but others are acquired or related to modifiable behaviors. One of the following is correct about atherosclerosis disease risk factors?

Select one:

- a. Hypercholesterolemia alone is not sufficient to induce lesions.
- b. Smoking cessation reduces atherosclerosis risk. ‘
- c. Women after menopause are protective against atherosclerosis consequences.
- d. Type A personality is associated with lower risks.
- e. Familial hypercholesterolemia is most important independent risk factor for atherosclerosis

15. in the high altitude, you stayed for an hour; the following changes will happen in metabolic pathways of your cardiomyocytes except?

Select one:

- a. increase Glycolysis
- b. decrease β oxidation of fatty acids
- c. increase production of phosphocreatine
- d. Accumulation of NADH+H and lactic acid
- e. decrease Oxidative electron transport chain activity

16. 19-year-old man has had a low-grade fever for 3 weeks. On physical examination, his temperature is 38.3° C, pulse is 104/min. respirations are 28/min. and blood pressure is 95/60 mm Hg. A tender spleen tip is palpable. There are splinter hemorrhages under the fingernails and tender hemorrhagic nodules on the palms and soles. A heart murmur is heard on auscultation. Which of the following infectious agents is most likely to be cultured from this patient's blood?

Select one:

- a. Coxsackievirus B.
- b. Mycobacterium tuberculosis.
- c- Pseudomonas aeruginosa.
- d. Viridans streptococci.
- e. Trypanosoma cruzi.

17. One of the following pairs between the form of vasculitis and the possible clinical presentation is wrongly matched?

Select one:

- a. Giant cell arteritis: Diplopia and blindness.
- b. Churg-Strauss syndrome: Vasculitis with eosinophilic necrosis.
- c. Polyarteritis nodosa: Necrotizing vasculitis in the lung and upper respiratory tract-
- d. Takayasu Arteritis: Weakening of the pulses in the upper extremities
- e. Buerger Disease: Instep claudication

18. Which of the following biochemical markers would you prefer to diagnose early acute myocardial infarction?

Select one:

- a. Total creatine kinase and lactate dehydrogenase.
- b. Heart fatty acid binding protein and copeptin.
- c. Cardiac troponin and Ischemia modified albumin.
- d. Creatine kinase/MM and aspartate transaminase.
- e. miRNA-499 and troponin C.

19. Which one of the following is false about drugs used in treating heart failure?

- a. Chronic use of carvedilol reduce cardiac remodeling due to excess catecholamine in plasma
- b. Loop diuretics decrease pulmonary oedema by decreasing cardiac preload
- c. Enalapril antagonizes cardiac remodeling due to aldosterone
- d. The dose of digoxin must be reduced in cases with acute myocardial infarct
- e. Digoxin reduces the heart rate and cardiac dilation in heart failure

20. One of the following is CORRECT LY matched?

- a. Saphenous vein=====Weibel-Palade bodies
- b. Basilar artery ===== longitudinal smooth muscles
- c. Basilar artery ===== less prominent internal elastic lamina
- d.Saphenous vein ===== boundaries between intima and media is not clear
- e. Basilar artery===== thinner and little elastic recoil

21. In hemorrhage. all are true except?

Select one:

- a. The pulse rate is rapid.
- b. Respiration is accelerated.
- c. Is accompanied by oliguria.
- d. The lost RBCs are immediately restored by released of erythropoietin.
- e. The volume and rate of blood loss determine its severity.

22. Which of the following is false in relations of the femoral nerve in adductor canal?

Select one:

- a. Posterior is profunda femoris vessels
- b. Anterior is saphenous nerve
- c. Anteromedial is vastus medialis muscle
- d. Posterolateral is femoral vein
- e. Anteromedial is root of the canal

23. Which of the following matched pairs are not true?

Select one:

- a. Basal blood flow to kidneys and liver- Highest compared to other organ and tissues
- b. Blood flow during exercising - Highest in the skeletal muscles
- c. Acute control of blood flow-Humoral changes and rapid
- d. long term control- Slow response and conditioned
- e. Vasodilator theory- Increase the vasoactive substances thus decrease the resistance and increases the blood flow

24. All the followings are branches of the arch of the aorta except?

Select one:

- a. Left common carotid artery
- b. Thyroid ima artery
- c. Superior thyroid artery
- d. Brachiocephalic artery
- e. Left subclavian artery

25. A 59-year-old man has sudden onset of severe substernal chest pain that radiates to the jaw. On physical examination he has tachycardia, hyperventilation, and hypotension. An ECG shows ST segment elevation and pathologic Q waves. Laboratory findings include an elevated serum troponin level. One of the following is INCORRECT about the possible consequences and complications of his condition?

Select one:

- a. Ventricular aneurysms usually do not rupture.
- b. Myocardial rupture occurs most commonly in 2 to 3 days after infarction.
- c. The risk of arrhythmias in his case declines after the first hour.
- d. Papillary muscle dysfunction is more common than their rupture.
- e. Cardiogenic shock has a nearly 70% mortality rate.



26. Which of the following sentence is not describing autoregulation mechanism?

Select one:

- a. Within less than minute: after acute increase in blood flow and perfusion pressure: the blood flow and perfusion pressure would decrease
- b. Regarding metabolic theory. Increased nutrients and decreased tissue levels of vasodilators would increase resistance
- c. Regarding myogenic theory, High arterial pressure stretches the vessel. this in turn cause reactive vascular constriction and increase resistance
- d. Increase the wall resistance by decreasing the wall tension in the phase of increase wall tension and increased blood pressure
- e. The body reacts this way to prevent hyper perfusion or blood flow in the wrong places

27. When BP increase in carotid sinus, there is?

Select one:

- a. Increased sympathetic discharge to heart
- b. Decreased vagal tone to the heart
- c. Increased vagal tone to the heart
- d. increased cardiac output.
- e. Increased coronary blood flow

28. Coronary blood flow occurs mainly in?

Select one:

- a. Isometric contraction phase.
- b. Isometric relaxation phase.
- c. Maximum filling phase.
- d. Reduced filling phase.
- e. Atrial contraction phase.

29. Phosphorylated PPI-1 is one of the enzymes that play a critical role in regulating cholesterol synthesis through the direct inhibition of the following enzyme?

Select one:

- a. Liver kinase B1
- b. Protein phosphatase 2C
- c. Protein kinase A
- d. Calcium calmodulin-dependent protein kinase kinase (caMKK)
- e. AMP activated kinase

30. No crepitation (crackles) seen in the following except?

Select one:

- a. heart failure
- b. asthma
- c. influenza
- d. acute bronchitis
- e. tracheitis

31. The superior mediastinum contains the following except?

Select one:

- a. Thymus
- b. Phrenic nerves
- c. Thoracic duct
- d. Right recurrent laryngeal nerve
- e. Trachea

32. Which of the following matched pairs are not describing the long-term regulation?

Select one:

- a. Angiogenesis- Changing the degree of vascularity
- b. Collateral circulation- Blocked artery or vein
- c. Coronary collateral — Very effective during myocardial infarction
- d. Potassium and Proton - Vasodilation
- e. Having a constant stimulus- Long term regulation

33. Cardiac output is decreased in?

Select one:

- a. Exercise.
- b. Eating.
- c. Marked tachycardia.
- d. Pregnancy.
- e. increased venous return.

34. The arterioles are?

Select one:

- a. Elastic vessels.
- b. Exchange vessels.
- c. Resistance vessels.
- d. Capacitance vessels.
- e. Branches from Veins.

35. All of the followings are anterior relations of the first part of subclavian artery except?

Select one:

- a. Vagus nerve
- b. Sternohyoid muscle
- c. Ansa cervicalis
- d. Platysma muscle
- e. Internal jugular vein

36. All the following cardiac disease are correctly combined with their causes. except?

Select one:

- a. Endomyocardial fibrosis: Nutritional deficiencies.
- b. Restrictive Cardiomyopathy: insoluble B-pleated sheets.
- c. Hypersensitivity myocarditis: Drugs.
- d. Hypertrophic cardiomyopathy: Toxoplasma gondii.
- e. Chagas disease: Trypanosoma cruzi.

37. All the following about K- sparing diuretics are true except?

Select one:

- a. Are low efficacy K-sparing diuretics.
- b. Effective in Conn's syndrome and HTN associated with hypokalemia.
- c. Cause Na retention and K excretion.
- d. Spironolactone is contraindicated in renal failure.
- e. Cause gynecomastia and impotence as adverse effects.

38. Rushing of blood in the aortic and pulmonary arteries causes?

Select one:

- a. First component of 1st heart sound.
- b. Second component of 1st heart sound.
- c. Second heart sound.
- d. Third heart sound.
- e. Fourth heart sound.

39. Which one of the following is false ?

Select one:

- a. Flecainide does not prolong ERP of myocardial fibers
- b. Verapamil helps to control most paroxysmal ventricular tachycardias
- c. Procainamide is contra-Indicated in patients with history of SLE
- d. Sotalol may cause torsades de pointes
- e. Ibutilide can stop atrial fibrillation

40. Which of the following regulates the fine control of ABP?

Select one:

- a. Medulla oblongata
- b. Midbrain
- c. Hypothalamus
- d. Pons
- e. Cerebellum.

41. All of the followings are single branch of the abdominal aorta except?

Select one:

- a. Superior mesenteric artery
- b. Median sacral artery
- c. Coeliac trunk
- d. inferior mesenteric artery
- e. Medial sacral artery

42. Right coronary artery arises from?

Select one:

- a. Anterior aortic sinus of the ascending aorta just above the valve
- b. Anterior aortic sinus of the coronary sinus just above the valve
- c. Right posterior aortic sinus of the ascending aorta just above the valve
- d. Anterior aortic sinus of the descending aorta just above the valve
- e. Left posterior aortic sinus of the ascending aorta just above the valve

43. All the followings are correct regarding cardiac valves EXCEPT?

- a. inflammation of the valve is called pericarditis
- b. They insert into fibrous trigone
- c. They contain lamina fibrosa
- d. They have collagen fibers and elastic fibers
- e. They are surrounded by endothelium

44. The vein that drains in the coronary sinus is derived from?

- a. Right horn of the sinus venosus
- b. Left common cardinal vein
- c. Left vitelline vein
- d. Left horn of the sinus venosus
- e. Right common cardinal vein

45. Peripheral edema is seen in?

- a. Heart failure
- b. Normal young person
- c. Hypovolemic shock
- d. Young athletes
- e. Neurogenic shock.

46. The most effective replacement for saturated fatty acids in terms of coronary heart disease outcome is?

- a. linoleic and
- b. trans fatty acids ‘
- c. saturated fatty acids
- d. docosahexaenoic acid
- e. eicosatetraenoic acid

47. Regarding the ulnar artery. it passes deep to the following muscles EXCEPT, choose ONE ANSWER?

Select one:

- a. Ulnar head of pronator teres
- b. Flexor carpi radialis
- c. Palmaris longus
- d. Flexor digitorum superficialis
- e. Flexor digitorum profundus

48. Which of the following Lipoproteins best matches its description?

Select one:

- a. Chylomicrons _ . composed mainly of triglycerides synthesized in hepatic cells.
- b. LDL → contains Ape-848 and Apo-CII on its surface.
- c. VLDL → migrates faster to anode than LDL during electrophoresis.
- d. HDL → the major donor of free cholesterol to peripheral tissues.
- e. Lipoprotein (a) → protects against thrombogenesis.

49. The septum secundum lies on theside of the septum primum?

Select one:

- a. Lateral
- b. Right
- c. Medial
- d. Left
- e. Median

50. The cerebral blood flow (ml/minute) is?

Select one:

- a. 250
- b. 500
- c. 1200
- d. 750
- e. 1500

51. Right Ventricle have the following except?

Select one:

- a. Two papillary muscles
- b. The conus arteriosus (infundibulum) which leads into the pulmonary trunk
- c. The septomarginal trabecula
- d. The supraventricular crest
- e. Form small part of the diaphragmatic surface

52. ONE is False regarding the pathophysiology and mechanisms of tobacco smoking?

Select one:

- a. Mainstream smoke is inhaled and exhaled by the smoker
- b. Mainstream smoke is more toxic than the sidestream smoke
- c. Sidestream smoke comes from the burning end of the cigarette
- d. There are 7000 chemicals in cigarette smoke that mediate the pathophysiology of CVD
- e. The gas phase contains carbon monoxide (CO)

53. The base of the heart. Which is true?

Select one:

- a. Faces inferiorly toward the diaphragm
- b. Related to esophagus
- c. Receives the pulmonary trunk
- d. The heart rest on its base
- e. is formed mainly by the right atrium

54.Regarding the cardiothoracic ratio and borders. Which is wrong of the following?

Select one:

- a. The right border is slightly convex to the right
- b. The left border consists mainly of the left ventricle
- c. The ascending aorta and pulmonary trunk emerge from the superior border
- d. The cardiothoracic ratio usually more the 50% in PA view of chest X Rays
- e. The right border consists mainly of the right atrium

55. Coronary sinus lies in?

Select one:

- a. Left part of anterior atrioventricular groove
- b. Right part of posterior atrioventricular groove
- c. Coronary sulcus
- d. Left part of posterior atrioventricular groove
- e. Right part of anterior atrioventricular groove

56. Which one of the following is not effective in control or prevention of ventricular fibrillation?

Select one:

- a. Lignocaine IV
- b. Amiodarone IV
- c. Quinidine oral
- d. ICD
- e. Procainamide oral

57. A 72-year—old man with a history of endocarditis undenNent prostate surgery 3 weeks ago. Last week he has had persistent fever and weakness, Echocardiogram suggests endocarditis. Blood cultures were done. If the patient is subsequently diagnosed with this infection. which of the following laboratory test results were aid In the diagnosis of the most likely causative organism?

Select one:

- a. Forming beta hemolytic colonies on blood agar. ‘
- b. Catalase positive.
- c. Dark brown to black color in bile esculin agar.
- d. Coagulase positive.
- e. microscopic examination reveals Gram positive bacilli in chains.

58. Concerning initial management of myocardial infarction, all the following are true EXCEPT!

Select one:

- a. Oxygen.
- b. Nitrates.
- c. Morphine.
- d. Adrenaline.
- e. Aspirin.

59. Excess risk of coronary heart disease becomes half that of a person who smokes within?

Select one:

- a. 24 hours of smoking cessation
- b. 20 minutes of smoking cessation
- c. 1 year of smoking cessation
- d. 15 years of smoking cessation
- e. 5 years of smoking cessation

60. Sounds of the heart?

Select one:

- a. Mainly produced by closure of valves.
- b. Opening of the valves produces inaudible sounds.
- c. Heard by phonocardiograph.
- d. Recorded by stethoscope only.
- e. We have only two of them.

61. Which one of the followings is INCORRECT regarding CVD death rates?

Select one:

- a. increase in CVD morbidity and mortality in the age group of 30-44 years
- b. CVD is often thought to be a disease of middle-aged men
- c. Increased CVD deaths in whites compared to African American populations
- d. Cardiovascular mortality (fatal cases) are more common among men
- e. Oral contraceptives and HRT considered as a gender-specific risk factors

62. One of the following is CORRECT LY matched?Select one:

- a. Capillaries ===== endothelium. basal lamina and Pericytes
- b. Pinocytotic vesicles===== phagocytic function
- c. Continuous capillaries===== complete layer of Pericytes
- d. Fenestrated capillaries===== blood-brain-barrier
- Ce. Discontinuous capillaries ===== blood-brain-barrier

63. According to JNC 7 Risk Factors, if there are CHO or CHD risk equivalent. Then LDL goal is?

Select one:

- a. 240 mg/dl
- b. 160 mg/dl
- c. 130 mg/dl
- d. 200 mg/dl
- e. 100 mg/dl

64. One of the following is a characteristic for Cardiac tamponade?

Select one:

- a. It is caused by slowly accumulating effusions as large as 1000 ml.
- b. Resolve without significant sequelae.
- c. It is caused by rapidly developing collections as little as 250 ml.
- d. Progress to a chronic fibrosing process.
- e. it causes very late hemodynamic complications.

65. A 71 —year-old woman has been bedridden recovering from left knee replacement for three weeks now. Physical examination revealed swelling and tenderness of the right leg, the pain gets worse when she tries to stand and move. Which of the following is the most serious clinical complications associated with her disease?

Select one:

- a. Valvular insufficiency.
- b. Stasis dermatitis and ulcerations.
- c. Distal Aortic dissection.
- d. Disseminated intravascular coagulation.
- e. Pulmonary embolism.

66. A 29-year-old man was admitted to hospital because of severe abdominal pain with a clinical diagnosis of acute pancreatitis. The fasting triglyceride level was 8000 mg/dL at admission. His serum had a milky appearance at admission and a nearly normal clear appearance on day 5 after insulin therapy. Which of the following mechanisms best explains the response to insulin therapy in this patient?

Select one:

- a. Insulin induces adipose tissue lipoprotein lipase (LPL).
- b. Insulin is the main activator of Lecithin: cholesterol acyltransferase (LCAT).
- c. Insulin promotes the exchange of Apo-E between LDL and chylomicrons.
- d. Insulin helps transfer of Apo-B48 from chylomicrons to HDL.
- e. Insulin increases the expression of hepatic scavenger receptors-81.

67. All the following about therapeutic strategies in treatment of hypertension (HTN) are true except?

Select one:

- a. Mild HTN can be controlled with a single drug.
- b. initial therapy with thiazide diuretics unless contraindicated. ‘
- c. Beta - Blockers should add to thiazide if ABP is uncontrolled. when a thiazide is used initially.
- d. Beta - Blockers. ACEI and diuretics are favored in treatment of HTN in elderly patients.
- e. Patients with chronic renal disease respond better to ACEI.

68. Which of the following is not true?

Select one:

- a. Perfusion pressure is equal the Mean arterial blood pressure minus Central Venous pressure
- b. Systolic pressure on average is 120mmHg
- c. Diastolic pressure on average is 80mmHg
- d. If a patient's blood pressure is 83 mm Hg/50 mm Hg. his MAP would be 50 mm Hg
- e. Mean arterial blood pressure determines the actual pressure by which will propel the substances out of the capillary beds into the tissues

69. The branch of the internal iliac artery is formed from?

Select one:

- a. The first pharyngeal arch
- b. The 4th pharyngeal arch
- c. The 2nd pharyngeal arch
- d. The 3rd pharyngeal arch
- e. The 5th pharyngeal arch

70. Which of the following matched pairs are not true regarding conduction system and pathway of the cardiac muscle?

Select one:

- a. Bachman's bundle -Conduct the electrical potential from the right to the left atrium
- b. AV node- Fewer gap junction and small diameter ‘
- c. Moving loaded positive charges inside the nodal cells - Gap junction
- d. Keep the cells tight together and prevent stretching of tight junction- Desmosomes
- e. Plateau during contractile cell depolarization- L-type calcium inactive and potassium outflow

71. Which drug of the following can prolong survival & reduce mortality in heart failure?

Select one:

- a. Bendrofluazide
- b. Digoxin
- c. Captopril
- d. Milrinone
- e. Dobutamine

72. Concerning pressure changes in heart and great vessels of both sides?

Select one:

- a. The systolic blood pressure in left ventricle and aorta are the same and equal 80 mmHg.
- b. The diastolic blood pressure in both ventricles equals zero mmHg.
- c. The pulmonary blood pressure is 80/120 mmHg.
- d. Both a and b are correct.
- e. The systolic blood pressure in both ventricles is the same and equal 80 mmHg.

73. All the following produces coronary Vasodilatation. Except?

Select one:

- a. Renal ischemia
- b. Adenosine.
- c. EDRF.
- d. Histamine.
- e. Hypoxia.

74. All following about drug therapy of hyperlipidemia are TRUE EXCEPT?

Select one:

- a. Statins cause 30% reduction in LDL levels
- b. Niacin is the most potent agent to increase HDL.
- c. Fibrates cause 30% decrease in triglyceride levels
- d. Cholestyramine is bile acid sequestrant
- e. Ezetimibe increases intestinal absorption of cholesterol

75. Prevention of risk factors themselves considered as?

Select one:

- a. Primary prevention
- b. Secondary prevention
- c. Tertiary prevention
- d. Primordial prevention
- e. Rehabilitation

76. The following occur in digoxin toxicity except?

Select one:

- a. Anorexia and vomiting
- b. Xanthopsia
- c. Ventricular bigeminy
- d. Complete heart block
- e. Convulsions

77. A 79-year-old man has smoked 2 packs per day for more than 40 years. Survived a minor myocardial infarction 3 years ago. On his follow-up visit he reports leg pain on walking moderate distances. Physical examination revealed poor peripheral pulses in the lower extremities and a large pulsating mass in the midline of his lower abdomen. Which of the following vascular lesions is most likely to be found on investigating this patient?

Select one:

- a. Takayasu Arteritis.
- b. Thromboangiitis obliterans.
- c. Distal Aortic dissection.
- d. Atherosclerotic aneurysm.
- e. Granulomatosis and angiitis.

78. Which of the following statements best describes chylomicron (CM) remnant?

Select one:

- a. Its size is larger than nascent CM.
- b. it contains high triglycerides content and low cholesterol concentration.
- c. Apo-E is the only protein present on its surface.
- d. It is enriched in cholesteryl ester and fat soluble vitamins.
- e. It is recognized by liver because they contain Apo-AI on its surface.

79. All the following can destabilize the atherosclerotic plaques except?

- a. Synthesis of extracellular matrix component.
- b. Intimal SMC apoptosis.
- c. Large numbers of foam cells
- d. Clusters of inflammatory cells at the plaque's shoulder.
- e. Abundant extracellular lipids.

80. One of the following is a feature of hypertension?

- a. The cutoff point in Diastolic pressures is greater than 90 mm Hg.
- b. 15% of persons in the general population are hypertensive.
- c. The cutoff point in Systolic pressures is exceeded of 150 mm Hg.
- d. Preeclampsia is an adrenal hyperfunction associated with hypertension.
- e. The secondary causes of hypertension accounting 15%.

إنتهى

بالتوفيق للجميع

