

11) Person dies a sudden death. The attending physician is required to

- A. Issue death certificate immediately
- B. Issue death certificate after lab examination
- C. Not issue death certificate
- D.** Send for autopsy

37) The best citation style used in medical science students

- A. Apa style
- B. Chicago manual style
- C. Herbert style
- D. Pala style
- E.** Vancouver style

62. A child comes to OPD with systolic ejection murmur heard at the left upper sternal border on examination

This is due to.

- a.** pulmonary stenosis
- b. pericarditis
- c. VSD
- d. PDA
- e. Option a is correct

64) 68 years old female presented with heart failure with mild reduced ejection fraction, normal sinus rhythm at rest . A treatment with Captopril was started . What are the therapeutic effects of captopril in this patient

- A : increased cardiac contractility
- B: decreased Angiotensin mediated vasoconstriction of the kidney

**C**: reduction of preload and afterload

D : stimulation of epinephrine released from adrenergic neurons

E : stimulation of bradykinin mechanism

71) The conventional 1st line antiTB drugs should include atleast 3 drugs at the start of treatment including pyrazinamide. The primary reason for the use of drug combinations instead of a single drug and for using it for months in the treatment of TB is to

a) Ensure the patient compliance with drug regimen.

b) Enhance activity against metabolically inactive mycobacteria. .

**c**) Delay or prevent the emergence of resistance.

d) Provide prophylaxis against other bacterial infections.

e) Poor bioavailability of individual drugs.

74) In basic SWOT analysis 'S' stand for??

**•Strength**

76)Which of the following ethical requirement is most being met when researchers notifies a person of any proposed participation in research

a. Respect for privacy

b. Respect for justice

**c.** Respect for autonomy

d. Respect for intelligence

e. Respect for information

80. In the chronic bronchitis, following morphological changes are present

a. wbc infiltration

b. decreased goblet cells

**c.** increased mucous gland depth(reid index)

d. fibrosis

81. A 60 yrs old female was diagnosed as case of lobar pneumonia. In lobar pneumonia, there is

Ans: Red to grey hepatization of lungs

82- Chronic bronchitis is characterized by

a. Smooth muscle hypertrophy

b. WBC infiltration

**c.** Mucous gland hypertrophy

d. Increased size of goblet cells

e. Necrosis

86) In emphysema

a) a deficiency of alpha 1 anti trypsin is protective

b)elastase activity is unaffected by oxygen free radicals

c)smokers have an increase no. Of macrophages in bronchi

**d.** the protease\_antiprotease mechanism is the most plausible explanation for

e. the disease centroacinar leads to obstructive overinflation

88 defence machism against pulmonary infections is

A.mucous clearance by ciliary epi of front of nazal cavity

**B.**alveolar macrophages clearance of bacteria deposid in alveoli

C mucocilliary action of alveoli

D.vomiting reflex

E.all

89) Which type of lung cancer fits into description.

Tumor originates from neuroendocrine cells, it is associated with smoking and centrally located along the bronchial airway, associated with paraneoplastic syndrome, surgical resection is often non-effective.

- a. Carcinoid carcinoma
- b. Squamous cell carcinoma
- c. Adenocarcinoma
- d. Small cell carcinoma**
- e. Adenocarcinoma in situ

90) Regarding bronchogenic carcinoma:

- A. Most often arises around hilum of lung
- B. Distant spread occurs slowly by lymphatic spread**
- C. Metastasis is mostly to liver
- D. Small cell carcinoma most common
- E. Surgical resection is effective for small cell carcinoma

91) Centriacinar emphysema:

- A. Associated with chronic bronchitis**
- B. Distal alveoli
- C.  $\alpha$ 1 anti trypsin deficiency
- D. Basal zones of lung
- E. Underlying lesion in spontaneous pneumothorax

92) A 55 year old woman, surgically treated in hospital for past 3 weeks.

Examined on one morning round had swollen right leg, tender to palpitation posteriorly but not warm This condition result from which Vascular complication?

- a.VT
- b.septicemia
- c.septic emboli
- d.cellulitis
- e.infarction

93) A 32 yr old man has cough with hemoptysis along with pleuritis and chest pain. His temperature is 37.5°C. And lost 6 kg's in 5 months. Chest x-ray reveals bilateral and predominantly upper lobe infiltrates with cavitation. Sputum on light microscope examination shows epithelioid cells with necrotic debris. Lab studies a WBC count of 6340/uL. Which of the following additional histological findings is most likely to be present in his sputum.

- a. Branching septated hyphae
- b. Pleomorphic cells with dark, irregular nuclei
- c. Gram positive cocci
- d. Acid fast bacilli
- e. Gram negative rods

96) 61 yrs old having cardiac arrest, cardiac pulmonary resuscitative measures low. Admitted to hospital. He is intubated. He has aspiration of gastric content and next 12 days develops non productive cough and fever 37.5°C.

Chest radiograph levels 4cm

diameter mass with air fluid level in right lung. A sputum gram stain reveals mix flora. What condition is he suffering from?

- A) lung abscess
- B)chronic bronchitis

C)bronchiectasis

D)atelectasis

E) squamous cell carcinoma

97)A 23 yr old adult was admitted to ER with sudden onset of severe dyspnea. He was afebrile and absent breath sound over entire lung. Chest X Ray showed pulmonary atelectasis. What is the most likely diagnosis:

**A.** Aspiration of foreign body

B. Pulmonary embolism

C. Squamous cell carcinoma

D. Petechial chest hemorrhage (not sure of this option)

E. Bronchiectasis

Q100) 40yrs old has very high fever, productive cough with yellow sputum. Diffuse rales in lung fields.

Patchy infiltrate in all lung fields that is 4cm round are of consolidation in left upper lobe that has air fluid level. Neutrophils are also present.

**a.** staphylococcus aureus (correct)

b. aspergillus niger

c. mycobacterium tuber ulosis

d. mycobacterium pneumonia

e. adenovirus

103:A retrospective study of myocardial infarction is performed to analyze patterns of cardiac injury.One pattern of MI involves the posterior third of septum and the posterior left ventricle.Which coronary artery abnormality is most likely to be present in this area.

a)Ascending aorta

b) Left anterior descending artery

c) Left circumflex artery

d) Proximal right coronary artery

**e)** Left posterior descending artery

106. A 14 years old girl come to opd presented with subcutaneous nodules on her arms and torso after having a bout of Pharyngitis. She also has pain in knees and hips while moving. Friction rub is heard on chest Auscultation. The most likely laboratory findings would be:

**A.** Anti ASO antibody titer

B. Anti-nuclear antibody titer

C. Creatinine level

D. Troponin I levels

E. Plasma antigen

109. An experimental studies early atheroma development. Lipid streak on arterial wall are examined microscopically and biochemically to determine their cellular and chemical constituents the factor promoting their formation an atheroma plaque is composed of all except

A macrophages

B leukocytes

C collagen cap

D smooth muscle

**E** skeletal muscle ( correct)

110) a 2 year old boy presented to ER with acute febrile illness accompanied by erythema of the lips, palms, conjunctivus, edema of oral mucosa, hands and feet, skin rash of finger tips when undergoes desquamation & non suppurative

cervical lymphadenopathy. his condition remain stable for the next year. what is most likely the diagnosis?

- a. aortic dissection
- b. kawasaki disease**
- c. microscopic polyangitis
- d. syphilis
- e. takavasu arteritis

111) A middle aged man presented to opd complaints of chronic respiratory tract infection and renal and skin involvement, have chronic sinusitis, cough, hemoptysis, hematuria, papules and vesicles on skin. Patient is positive for cANCA.

What is the diagnosis

- A. Polyarthrititis nodosa
- B. Kawasaki
- C. Microscopic polyangitis
- D. Takayasu arthritis
- E. Granulomatosis with polyangitis**

112) A 65 yr old woman underwent abdominal surgery for acute abdominal pain. she is bedridden for three weeks. One morning during round her leg was found swollen on examination. it was tender on posterior side but not warm. What could be the reason?

Venous thrombosis

114) An infant born at term is noted to have cyanosis during 1st week of life. On examination, heart murmur is auscultated. Abnormal findings with echocardiography include overriding aorta, ventricular septal defect, right ventricular thickening, pulmonary stenosis involving fetal heart. The infant is most likely to have which congenital heart disease? **Tetralogy of fallotss**



115. Thrombotic occlusion in left circumflex , 50-70% in proximal circumflex, and in anterior descending artery .. Patient have radiation chest pain towards neck , after 1 hour of this patient develop ... A . myocardial rupture

118. All of the following are major risk factors of developing atherosclerosis EXCEPT

1. Caffeine
2. Smoking
3. Hypertension
4. Hyperlipidemia
5. Diabetes M

119. About the fatty streaks in the arteries which one is not the cause of it:

- a. Can cause disturbance to blood flow
- b. destined to form into atheromatous plaques in later life
- c. allow platelet aggregation to occur rapidly
- d. contain T lymphocytes and extracellular lipids
- e. Appear in all children over age of 5

120. Hyaline arteriosclerosis is associated with benign hypertension

- A. Onion skin lesion
- B. acute necrosis of vessel wall
- C. Homogenous pink hyaline thickening of wall
- D. Increased Hypertension
- E. None of the above

Ladder rung teaks:

2) A 35 yr old man came to OPD with headache in the morning. He has a positive hypertension family history. His Bp is 180/110. What is the management?

- A) start anti hypertensives
- B) exercise and lose weight
- C) reduce salt in diet
- D) check Bp again after 2 days
- E) All of the above**

Cherry red colour of post mortem lividity in fair skinned people would not develop if carbon monoxide concentration in blood is less than

- A. 10%
- B. 15%
- C. 20%**
- D. 25%
- E. 30%

Mcq 04

During autopsy, a forensic expert can miss the bruises on gums, frenulum tears and inner lips injuries due to pressure of teeth in which type of asphyxia?

- a. smothering (correct)**
- b. Traumatic asphyxia
- c. Choking
- d. Gagging

A 35 years old using warfarin 7.5mg as anti coagulant for mitral valve replacement for last 3 years. She was alright until last 3 days when she developed bleeding. Her INR ratio is 4.5. What's the appropriate approach:

- A. Stop warfarin at all
- B. Give Vit K injection**
- C. Reduce warfarin dose
- D. Conservative treatment

\*63)\* A 68 year old man recent diagnosed with Stage C heart failure in treatment with metoprolol, losertan, furosemide, and digoxin. What molecular reaction is most likely mediated by positive inotropic reaction of digoxin?

- A) Closing Calcium channels in cardiac cell membrane
- B) Increased release of  $Ca^{+2}$  from Sarcoplasmic reticulum during systole**
- C) Activation of  $Na^{+2}/K^{+}$  ATPase
- D) Activation of  $Ca^{+2}/Na^{+}$  exchanger in cardiac cell membrane
- E) Opening of  $K^{+}$  channels on cardiac cell membrane

120. Hyaline arteriosclerosis is associated with benign hypertension

Options

- 1 Onion skin lesion
- 2 acute necrosis of vessel wall
- 3. Homogenous pink hyaline thickening of Wall**
- 4. Increased Hypertension
- 5. None of the above

14) A 30 yr old woman on 30th postoperative day after hysterectomy of uterine carcinoma suddenly become dyspneic and dysphoretic with chest pain, palpitation and feeling of panic after being ambulatory. Which of the following postoperative pulmonary complications develop.

Pulmonary embolism

15) Pulmonary disease in which there is airway obstruction and is triggered by an allergen is called.

**Asthma**

Pneumonia

MCQ.. 31

A 45 years old female who had Pneumoconiosis, now develops tuberculosis.. It belongs to:

A. Asbestosis

**B. Silicosis**

C. Bygassosis

65 )A 59 yr old woman diagnosed with stage C heart failure, started therapy that include spironolactone .Which of following is most likely mediate therapeutic effect of spironolactone is produced ?

A) Inhibition of  $K^+$  excretion in collecting tubule

**B) Decreased sodium conductance in aldosterone dependant sodium channels**

c) Block  $Na^+/Cl^-$  symport in early distal convoluted tubule

d) Block  $Na^+/H^+$  antiport in proximal convoluted tubule

e) Inhibit renin secretion

Mcq#8 Pressure ok carotid arteries in case of mechanical asphyxia leads to

Cerebral congestion

**Cerebral ischemia**

23:A 25 Yr old woman came to emergency with Shortness of breath, leg swelling, abdominal distension, known case of tuberculosis Pericarditis and is taking anti TB drugs and pyridoxine for 3 months.

Most appropriate investigation?

A: ECG

**B:** echo cardiogram

C:abdominal ultrasound

D:urinary proteins

E:sputum AFB

36. Patient with asthma who have an acute exacerbation are evacuated primarily based in clinical criteria but also should have which of the following test?

A. Chest x Ray

B.CBC

C.arterial blood gas measurement D.eximaty **pulse oximetry**

A 60 yr old man presented with chest pain on walking about 500m for last 6 months. ECG normal, most appropriate test,

A) ECG

**B)** angiography

C) X ray chest PA

27. A 67 yr old patient in ward is presented with ischemic heart disease with blood pressure 100/60 and pulse rate 45/min. Which of the following is the appropriate management in this case.

A) immediate IV saline

B) carotid massage

**C)** immediate IV atropine

D) cardiac resuscitation

E) temporary pacemaker

3 day old baby with cyanosis o2 saturation is 85% single loud s2 exertion systolic murmur at the left upper sternal border **tetralogy of fallot**

Identify the congenital heart defect

50 septum primum and septum secundum are related to formation of of ?

A atrioventricular septum

B ventricular septum

**C** septum between two atria ( correct)

D Septum in truncus arteriosus

E septum in cornus cordis

02- death occuring due to pulmonary thromboembolism is likely to be...

A... homicidal death

B... sudden death

**C**... sudden natural death

D.... sudden unnatural death

E..... suicidal death

A 65 year old male presents with pin in leg on walking about 300 meters pain relieves after taking rest for 3 minutes his Hb is 14.5 Tlc 7600 cholesterol level 250 TG 450 which is the most appropriate further investigation...

Electrocardiography

Exercise tolerance test

Lower limb angiography

**Lower limb Doppler ultrasound**

Xray of tibia and fibula

2) Absolute proof of drowning is: a: **emphysema aquosum** b: cutis anserina  
c: hypothermia d: washerwoman hand e: wet clothes

16. A 20 year old man presented with high fever joint pain. He has a history of pharyngitis 3 weeks back treated by family doctor. Clinically he has tender swollen ankle and wrist joint and a pan systolic murmur on mitral area. ESR = 86mm/1st hour. Diagnosis?

- A. Infective Endocarditis
- B. Rheumatoid arthritis
- C. Rheumatic fever**
- D. Mitral stenosis
- E. Enteric fever

Mcq no.32

Which of the influenza type is most contagious and spread easily from one person to another:

- A. Influenza A**
- B. Influenza B
- C. Influenza C
- D. Influenza D
- E. Rhinovirus

13. hemolysis and hyperkalemia is caused in

- A. salt water drowning
- B. fresh water drowning**
- C. immersion syndrome
- D. near drowning

53 year old woman diagnosed with systolic heart failure .she started taking captopril and carvedilol .

Lab result I. Patient is

A.hypercalcemia

B.hyperkalemia

C.hypervolemia

D.hyperglycemia

E.hypernatremia

Mcq no 43: The prevalence of acute epiglottitis may be markedly decreased by use of which vaccine Answer# haemophilus influenza b vaccine

48.A businessman age 40 yrs has a very stressful life.He is on low carb diet.He eats dried meat.He has the def of which of the following vit

A. Ascorbic acid

B. Pantothenic acid

C. Thiamine

D. Niacin

E. Cobalamine

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