



الطب والجراحة لجنة

دفعه نبيض

RS module – med exam

1-Primarily affects the Acinus?

A. Chronic bronchites

B. Bronchiolitis

C. Bronchiectasis.

D. Emphysema

2-medically important human dimorphic pathogen?

A-Histoplasma capsulatum

B- Aspergillus niger.

C- A. flavus

3- One is right regarding the

A- Ventilation equal to perfusion

B- ventilation more than perfusion in lung apex

4- pseudomembrane doesn't extend to another locations rather oropharynx

- diphtheria

5-SARS COV2 belongs to Coronaviruses family, one is WRONG?

A. Non enveloped

B. It carries spike proteins on its surface that are immunogenic

C. It is diagnosed by RT-PCR

6- Incorrect about Ethambutol

-Not absorbed from GIT

7-All the factors would affect the intra pleural pressure EXCEPT?

A. Elasticity of the chest wall

B. Airways generation

C. lymphatic drainage

8-Angle of Louis located in ?

-Between T4/T5

9-Antigenic shift, one is wrong?

A- It is seen in influenza A virus

B- caused by minor point mutation

C- Pre-existing antibodies do not protect fully against the shifted virus

10-Severe widespread bronchiectasis complicated except ?

A. Pulmonary hypertension

B. Hypocapnia

C. Cor pulmonale

d. Amyloidosis

11-All the following are adverse effects of first generation histamine antagonists EXCEPT?

A- Blurred vision.

B- Dry mouth.

C- Dizziness.

D- Diarrhea

12-7 farmers and transmitted from horses in an area where fruit bats are existing, the most likely cause agent is?

A. Hendra virus

B. Parainfluenza virus

C. Human metapneumovirus

13-Wrong about blood gas barrier?

-Thick

14-Keeps the alveoli dry?

A-positive ISF

B-high plasma colloid osmotic pressure

15-Something about bronchitis?

A-respiratory zone

B-conducting zone

C-respiratory & conducting zone

D-all airway generations

E-terminal bronchi

16-Which is wrong about Mumps?

A-it may cause orchitis

B-has a live attenuated vaccine

C-zoonotic

17-Mechanism of action of isoniazid?

-interferes with mycolic acid synthesis

18-Pleura of lung is at midclavicular line at?

-8th costal cartilage

19-Medicine question: FEV1?

A-volume of air exhaled in one second

B-normal ratio is FEV1:FVC is 30%

C-3000 ml

20-What muscle abducts the vocal cords?

A-posterior cricoarytenoid

B-aryepiglottic muscle

C-oblique arytenoid

D-lateral cricoarytenoid

21-The most common bacterial cause of acute exacerbations of COPD is Select one : Streptococcus pneumoniae

A-Legionella pneumophila

B-Moraxella catarrhalis

C-Staphylococcus aureus

D-Haemophilus influenza

22-Casoni test is an intradermal test for the diagnosis of?

A- L. pneumophila

- B- M. tuberculosis
- C- Histoplasma capsulatum
- D- Hydatidosis**
- E- C. diphtheriae

23-Which one of the following can be seen in Sarcoidosis?

- A. Chacot-Leyden crystals
- B. Curschmann spirals
- C. Fusiform rods with a translucent center
- D. Schaumann bodies**

24-Which of the following matched pairs regarding Pulmonary vascular resistance (PVR) is wrong ?

- A-Decreased lung volume below normal breathing - Decreased PVR**
- B-Increased venous or arterial pulmonary pressure - Decreased PVR
- C- Distension of Capillary vessels - Decreased PVR

25-All the following regarding chronic fibrosing Interstitial Lung Diseases EXCEPT: **answer is C**

- A. Asbestosis
- B. Desquamative interstitial pneumonia**
- C. Unusual Interstitial Pneumonia
- D. Silicosis

26-One of the following represents of lung infarction caused by peripheral embolic occlusion:

A. Wedge-shaped, with their base at the hilus of the lung and the apex pointing toward the pleural surface.

B. Wedge-shaped, with their base at the pleural surface and the apex pointing toward the hilus of the

27-Choose the WRONG statement from the followings?

A- Alveolar duct is the first part of the respiratory tract that does not contain cilia

B- Fusion of the epithelial and endothelial basal laminae are important adaptation in the blood-air barrier

C- Presence of cartilage plates is a histological feature of bronchioles

28-Exposure to asbestos can cause all the followings except ?

A- Pericardial effusion

B- Lung carcinoma

C- Laryngeal carcinoma

29- Which of the following organism could found in soil plant?

- B.anthraxis

30- pyocyanin is bluish pyoverdin is?

- Greenish

31- which cause honeycomb appearance?(embryo)

-Bronchiectasis ?

32-Wrong about hydrogen peroxide?

It is lipid insoluble

33-Wrong about treatment of asthma?

-use salmeterol in acute attack

34-Wrong about adverse effects of Histamine H1 antagonist?

- Diarrhea

35-False pairs?

- flucloxacillin - atypical pneumonia

36-antivertigo , the safe drug for pregnancy?

-meclizine

37-in p.aeruginosa , pyocyanin gives bluish pigments pyoverdine give---
----- pigment ?

- Greenish

38- organism that is found in soil , water and air ?

- bacillus anthracis

39-lung fluke?

-paragonism westermani

40-Dimorphic fungi ?

-histoplasma

41-Case about organism which causes erythema nodosum?

-histoplasma

42-median nasal process formed by?

-unit the 2 medial nasal processes

43-appearance of honeycomb in x-ray caused by?

-congenital cysts of lung

44- hemoptysis , cough more than 2 weeks, loss 10kg , night sweat caused by?

-TB

45-increase affinity between HB and o₂?

-CO poisoning

46-the muscle which is abductor for vocal cord?

-posterior cricoarytenoid

47--Key cartilage of the larynx?

epiglottis

Archive Nabd

RS - Final

Done by :



-Mismatch

Terminal bronchioles lined with Clara and goblet cell

.....

-Mismatch

--Type 1 pneumocytes Phagocytosis

.....

-Hypoxemia cause hyperventilation by directly stimulating..

aortic and carotid body chemoreceptors

.....

-all are adverse effects of bromahexine except

Diuresis

.....

-what happens when venous or arterial

pressure rises ?

Capillary distension and recruitment

.....

-A drug isn't use in community acired pneumonia ?

Tetracycline

.....

-mismatch.

Chronic sinitis ... Co- trimoxazole

.....

-wrong about histoplazma capsulatum?

It has capsule

.....

-first posterior intercostal vein drains into

Bronchocephalic vein--

.....

-One isn't clinical marker acute sever asthma...



dizziness and confusion.

.....

-infective dose of TB ?

10 organisms

.....

-one is false?

H+ bind to Hb increasing affinity to O2

.....

-bicarbonate is good buffer of organic acid

Why

Because it's Pka is suitable for blood pH.

.....

-maxillary sinus opens into..

Middle meatus

.....

-Trachea end at

4th thoracic vertebrae

.....

-dublication of medial nasal processes

Polyrhinisa

.....

*Sphenoethmoidal recess is part of which bone;

Ethmoidal bone

.....

*One is false about respiratory centres;

Cutting vagi will inhibit activity



*Greyish white - it scoots on media

Cattarhalis

*Zanamivir oseltamivir ?

Neuroaminidase inhibitors

*True about chlamydia pneumoniae ?

Elemental body is infective stage

*Useless in diagnosis of pneumonia?

Culture

*Wrong about pneumonia?

Strong cell wall

*Wrong sentence;

Corticosteroids are direct bronchodilators

*All are adverse effects of isoniazid except;

Gout

*Erythromycin inhibits metabolism of;

Fenofexadine

*Not concerned with modern increases of asthma;

.. Decrease family size

*Inferior border of pleura does not cross;

6th costosternal junction



*Neutralizing antibodies for influenza are for ?

Hemagglutinin

*...articulate directed laterally ?

12th thoracic vertebra

*wrong about parainfluenza;

Susceptible to water soap and disinfectant

*Hb O₂ curve shifted left in?

Decreased 2, 3-dpg

*hb O₂ curve shifted left in?

CO poisoning

*CO shifted right in?

Exercise

*embolism in right lung?

Po₂ in left lung will equal inspired atmospheric po₂

*pao₂ 50- paco₂ 80 concentration of O₂ to return to normal?

28%

*Alveolar gas equation is to measure?

Pao₂



*Klopiks spouts in?

Measlea



Rs.

Archive – med (Wateen).



فسيو

1) IPP become positive in all of the following except:

- A) valsalva's manouver
- B) haemo-thorax
- C) tention pneumothorax
- D) muller' manouver

2) the cause of the negativity of the intraplural pressure is?

- A) dynamic harmonious antagonism between the chest wall and the lung

3) according to the physiological and pathological factors that affect the negativity of intraplural pressure all are true except?

- A) at birth (zero)
- B) Valsalva's maneuver (positive)
- C) emphysema (less negative)
- D) stab wound without valve (positive)
- E) stab wound tension pneumothorax with valve (positive)

4) all of the following are edema safety factors except:

- A) high pulmonary capillary hydrostatic pressure **
- B) presence of the surfactant
- C) negative (ISF)
- D) high osmotic pressure of the plasma proteins

5) all of the following cause shifting the O₂ dissociation curve to the right except:

- A) decrease O₂
- B) increase temperature (fever)
- C) acidosis
- D) pregnancy
- E) fetal hemoglobin **

6) if cutting of a complete section of brain stem above pons occur this lead to?

- A) death
- B) deep & slow respiration
- C) normal autonomic respiration but without voluntary control **
- D) Apneusis

7) if bilateral vagotomy and damage of pneumotaxic center occur this lead to?

- A) death
- B) deep & slow respiration
- C) normal autonomic respiration but without voluntary control
- D) Apneusis **

8) at onset of exercise, what is the stimulation of respiration?

- A) increase Co₂ & H⁺
- B) increase temperature of blood
- C) impulse from proprioceptors **

KD) decrease O₂



1) Angle of Louis (sternal angle) is located at:

- A) Intervertebral discs between 4 and 5 vertebra.**
- B) Intervertebral discs between 5 and 6 vertebra.
- C) Directly at #4 vertebra.
- D) Intervertebral discs between 3 and 4 vertebra.

2) One of the following are true regarding intercostal nerves:

- A) Lies inferior to the intercostal artery. **
- B) Between internal and external intercostal muscles
- C) Superior to the intercostal vein
- D) Superior to the intercostal artery

3) The vena caval opening in diaphragm is at the level ??

- A) T12
- B) T8**
- C) T10
- D) C7

4) the 3rd posterior intercostal artery arise from??

- A) Superior intercostal artery
- B) Descending aorta**
- C) The subclavian artery

5) The nerve supply the larynx below vocal cords??

- A) Superior laryngeal nerve
- B) Recurrent laryngeal nerve**
- C) External laryngeal nerve
- D) Internal laryngeal nerve

6) Bulla ethmoidalis is occupied by?

- A) maxillary air sinus
- B) frontal air sinus
- C) nasolacrimal duct
- D) middle ethmoidal air sinus **

7) the pleural cuff is formed from?

- A) diaphragmatic pleura
- B) mediastinal pleura **
- C) costal pleura
- D) cervical pleura

8) behind the upper part of the hilum of right lung ?

- A) oesophagus
- B) groove for (IVC)
- C) groove for azygos vein **
- D) groove for trachea

9) according to the development of the lungs ,all are true except?

- A) each bronchus divides repeatedly forming bronchioles and alveoli .
- B) there is mature alveoli before birth**
- C) the amount of surfactant increases especially during the first two weeks of birth
- D) connective tissue and blood capillary developed from mesoderm



1) 4 year old male not responded to antibiotics presented with fever , dysphagi ,well - defined edges on tonsil ,what is true?

- A) H,influnzea
- B) T.B
- C) C.diphtheria **
- D) Clamidia
- E) S.penuomian

2) All of the following are true about histoplasma capsulatum except?

- A) ability to survive within the macrophage
- B) Stained with PAS
- C) Has a strong capsule &&
- D) dimorphic fungi

3) A man had been previously infected with TB and had a fungal growth inside of it, what is the fungi?

- A) H.capsulatum
- B) A. Fumigatus **
- C) A. Flavus
- D) A. Niger

4) Areas where legionella is commonly found in ??

- A) Shower aerosols that have not been used for a long time **
- B) Canned food
- C) Unpasteurized milk

5) Why does chlamydia grow intracellularly ?

- A) It's a virus
- B) Cant synthesize ATP**
- C) Small size (0.2 - 1 nm)
- D)major cause of atypical pneumonia

6)according to the Hydatid disease all are true except?

- A) Caused by echinococcus.
- B) Man is intermediate host .
- C) Dog is definitive host .
- D) Protoscolex is infective stage for dog **
- E) Liver is the most common site for metastasis followed by lung.

7) What causes shift mutation in his genome?

- A) Influnza A **
- B) Paramyxovirus
- C) Adenovirus
- D) Rhinovirus

7) What is the mood of infection for paragonimus Westermani?

- A) eating of sallamon.
- B) Eating row crabs. **
- C) Inhalation.

8) All of the following are feature of common cold except?

- A) Sneezing
- B) Runny nose
- C) Sore throat
- D) Headache*
- E) Loss of appetite

9) A man presented with seal barking sound which is a feature of:

- A) Croup **
- B) Brochitits
- C) Pneumonia
- D) Rhinitis

10) Antigens that are group specific:

- A) Ribonucleoprotien **
- B) HA
- C) NA

11 Which of the following its not suitable for culture??

- A) Epiglottitis.**
- B) Sinusitis
- C) Otitis media
- D) Conjunctivitis
- E) Meningitis

بيوكيم

1) Which value of K_a indicates more acidity?

- A) 2 ××
- B) -1
- C) -2
- D) -3
- E) 1

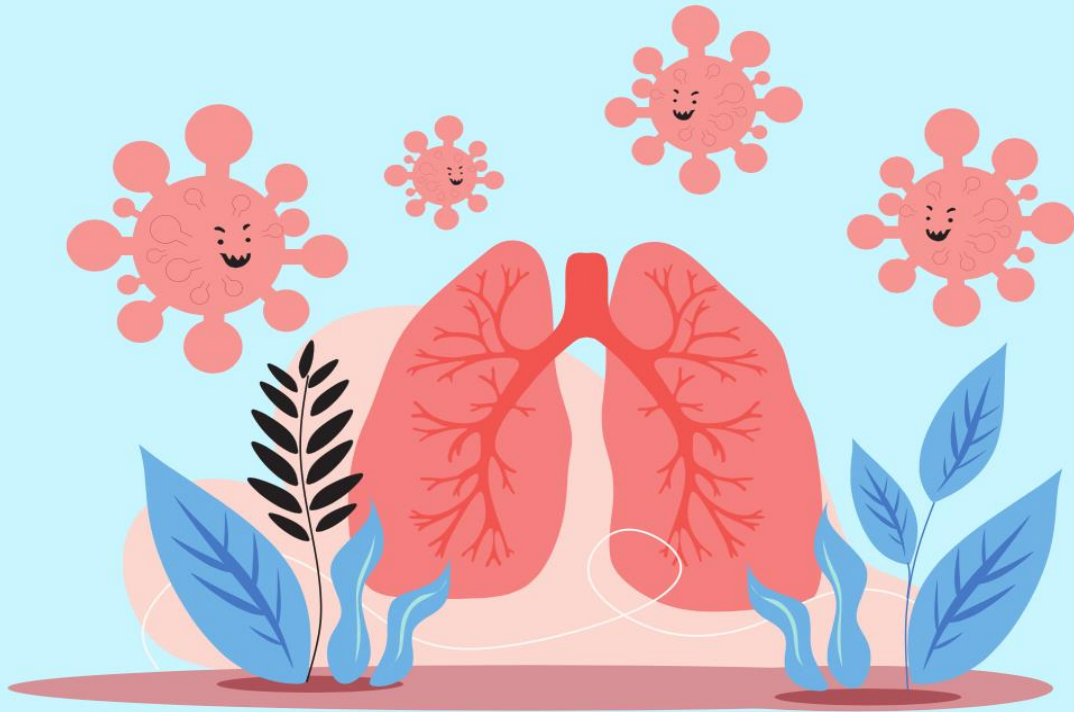
Done by :

Mohamad Al Khateeb



RS ARCHIVE

Wateen - final



Done by ::

الفريق الأكاديمي

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ANATOMY

1) All of the following is true regarding internal thoracic artery except :

Superficial epigastric artery is terminal branch

2) Which muscle of the following extends from the rib tubercle behind to the costochondral junction in front :

The external intercostal muscle

3) What's true regarding the costo mediastinal recess :

Recieve anterior border of lung

4) paranasal sinus don't drange in upright position

Maxillary sinus

PHARMACOLOGY

1) All of the following are antitussive drugs except:

- a. Dextromethorphan
- b. Methalone
- c. Diphenhydramine
- d. pholcodine

2) All of the following is adverse effect of first generation agent except:

- a. Tachydysrhythmia in overdose
- b. Sedation
- c. Fatigue
- d. Dizziness
- e. Diarrea

3) All of the following are drugs used in acute bronchitis except:

- a• Clarythromycin
- b• amphotericin (not sure)
- c• erythromycin

4) All of the following is antitussive except:

- a. Morphine

- b. Dextromethorphan
- c. Diphenhidramin

5) All of the following is true regarding treatment of acute sever asthma except :

- a. Humidified oxygen
- b. Nebulized B2 adrenergic agonist
- c. IV fluid
- d. Oral glucocorticode
- e. Potassium and sodium bicarbonate

6) COX1, COX2 :

Constitutional , inducible

7) All of the following is true regarding rifampcin except :

Interfere with mycolic acid synthetic

8) Gout is a side effect of one of the following drugs:

pirazinamide

9) Multi drug in TB therapy is to:

reduce resistance

10) One of the following is used in the induction of abortion or labour :

PGE 2

BIOCHEMISTRY

1) According to Glutathione, one is wrong

- a. Tripeptide
- b. composed of glutamate, cysteine and glucine
- c. Glucine is highly reactive
- d. sulphhydryl group is very reactive
- e. sulphhydryl group provide electrons

2) Conjugate base :

- a. HPO_4^{2-}



3) What's of the following cause shitt left ? Decrease DPG value

MICROBIOLOGY

1) A patient came to hospital with dry cough , dyspnea , chest pain , malaise and crackle sounds , the most probable caustive microorganisms

- a. Staph aureus
- b. H.inf
- c. Mycoplasma
- d. Streptococcal pneumonia

2) Type specific antigen of influenza virus is :

- a. Riponucleoprotien
- b. HA only
- c. HA and NA
- d. M protein

3) Streptococcal pneumonia vaccine works against ?

- a. HA
- b. NA
- c. M protein

4) Period that can bacillus anthrax persist in dry earth ?

- A. 8-10 days
- B. 8-10 weeks
- C. For years

5) Which of the following close to stap aureus on agar:

- a. Heamophilus inf
- b. Mycoplasma tuberculosis
- c. Corny diphtheria
- d. Strep pneumonia

6) All of the following is true about pseudomonas aeruginosa except:

- a. in victims of extensive burns.

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- b. has a propensity to invade blood vessels at the site of infection, with consequent
- c. extrapulmonary spread.
- d. Histologic examination: Pseudomonas vasculitis*
- e. Lymphocytic patient

7) Choose the correct answer according to diphtheria :

- a. Easily bled
- b. Not well demarcated
- c. Can't extend to more distal sites

8) All of the following true about hydatid cyst , EXCEPT :

70% in lung

9) Cray fish carrying Infective stage of :

Paragonimus westrmani

10) *Case : [drooling , stridor] ?

a. Epiglottitis

PATHOLOGY

1) Wrong about horner syndrome :

- a. Mitosis
- b. Miosis
- c. Ipsilateral
- d. Contralateral
- e. Anhidrosis

2) Safety factors from edema Except :

- a. Macrophages
- b. Surfactant
- c. high oncotic pressure
- d. Low capillary pressure
- e. rich lymph nodes

3) All of the following is true regarding para neoplastic syndrome except:

ثقتك بنفسك هي أهم عوامل النجاح

Hypocalcemia a. Small cell carcinoma.
b. Squamous cell carcinoma.
c. Adenocarcinoma. e. Both (A+C).
***d. Both (A+B).

4) Leukotrine B4 is an inflammatory modulator indicates ?

Emphysema 8) All of the following can be caused by asbestos exposure except? a. Localized pleural plaques and effusions. b. Parenchymal interstitial fibrosis (asbestosis).
5) Radiological and histological pattern of IPF ?
Usual interstitial pneumonia c. Malignant mesothelioma. d. Laryngeal Squamous cell carcinoma. ***e. Allergic bronchopulmonary aspergillosis.

6) Regarding to Small lung carcinoma one of the following is a characteristic feature :

Abundant cytoplasm 9) One of the following paraneoplastic syndromes is associated with lung Squamous cell carcinoma? a. Cushing syndrome. b. Syndrome of inappropriate secretion

7) Decreased ratio of FEV1 to FVC indicates :
Obstructive disease c. Hypercalcemia. d. Peripheral neuropathy. e. Polymyositis.

8) Pulmonary hypertension is :

pressures of 25 mm Hg or more at rest, may be caused by a cross-sectional area of the pulmonary vascular bed or, less commonly, pulmonary vascular blood flow.

9) most frequent form of extrapulmonary tuberculosis

Lymphadenitis

C.MED

1) The annual number of tuberculosis cases:

- a. 20
- b. 25
- c. 30
- d. 12 (not sure /it is 15-30 in the slide)

2) Asthma before age 12 is considered:

Genetic

3) Mantoux test is used to diagnose?

Tb

PHYSIOLOGY

1) One of the following Incerse P50:

Exercise ✓

2) All of the following cause shift to the left except:

Increased temperature ✓

3) Which oh the following isn't causes of Chyne stroke respiration?

After voluntary Hypoventilation ✓

4) what is the best way achieve more alveolar ventilation?

By increasing tidal volume (volume rate) ✓

5) All true about residual volume except :

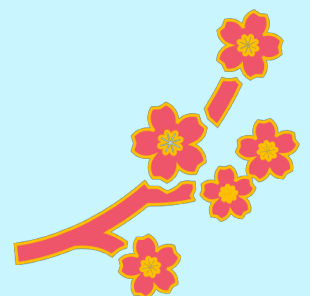
spirometry ✓

EMBRYOLOGY

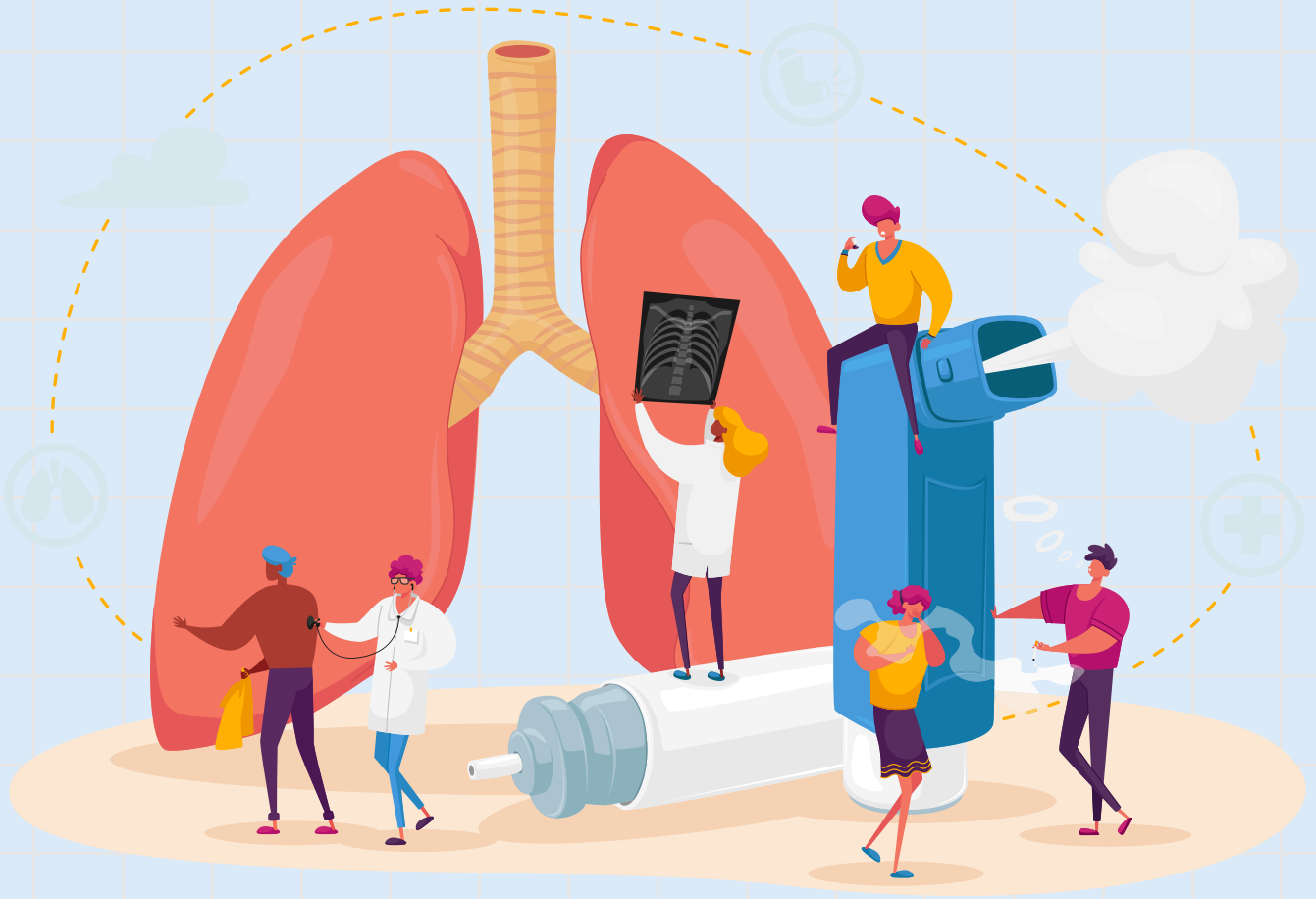
1) Paranasal sinuses is driven from :

Lateral wall of the nasal cavity ✓

اللهم اكتب لنا الهداية والتوفيق
والرشاد , ,
واكتب لنا صلاح الحال



RS/ MIDTERM EXAM- ROUH BATCH



DONE BY:
RAZAN ALRAWAJBEH

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1) The accumulation of fluid, blood or air within the pleural cavity leading to compression of the lung is referred to as which type of atelectasis?

- A. Obstructive atelectasis
- B. Compression atelectasis
- C. Adhesive atelectasis
- D. Cicatricial atelectasis

Ans:B

2) Which of the following is most closely associated with centriacinar emphysema?

- A. A deficiency in alpha-1 antitrypsin
- B. Long-term exposure to environmental pollutants
- C. Long period of smoking
- D. Occupational exposure to asbestos
- E. Chronic asthma

Ans:c

3) All of the following are characteristic of non-atopic asthma except:

- A. Negative skin test
- B. Positive family history of asthma is less common
- C. Positive skin test
- D. Adult onset is more common

Ans:c

4) A 45-year-old male presents with a three-month history of progressive shortness of breath, dry cough, and fatigue. He works as a bird breeder and spends significant time in close contact with birds. Physical examination reveals crackles at the lung bases. A high-resolution CT scan of the chest shows ground-glass opacities and centrilobular nodules. A biopsy of the lung tissue reveals non-caseating granulomas in the peribronchiolar region.

Based on the clinical presentation, occupational history, imaging findings, and biopsy results, what is the most likely diagnosis?

- A. Tuberculosis
- B. Sarcoidosis
- C. Hypersensitivity pneumonitis
- D. Pneumoconiosis

Ans:c

5) true about sarcoidosis :

- A-higher prevalence in smokers
- b-mainly occupational disease
- C-in liver it manifests as granulomas surrounding central veins
- D- in more than 50% it causes granuloma in spleen
- E-immune disease with unknown antigen CD4 lymphocyte

Ans:E

“قِيلَ إِنْ الطُّمُوحَاتُ تَجِدُ طَرِيقَهَا لِمَنْ يَأْمَنُ بِهَا وَيُغْذِيهَا بِالْجَهْدِ وَالْعَمَلِ وَالشُّغْفِ”

6) The presence of asbestos bodies, which are asbestos fibers coated with an iron-containing proteinaceous material, is most indicative of which condition?

- A. Silicosis
- B. Asbestosis
- C. Coal workers' pneumoconiosis
- D. Berylliosis

Ans:B

7) Mass that contains large cells, with large nuclei and prominent nucleoli, and show no glandular or squamous differentiation, what is the diagnosis?

- A) Squamous cell carcinoma
- b) Large cell carcinoma
- C) Carcinoid tumour
- D) Small cell carcinoma

Ans: B

8) All of the following about sarcoidosis are false except :

- A) more with smokers
- B) has occupational etiology
- C) caused by unknown antigen involving CD4 immunity

Ans:c

9) a patient come to clinic with symptoms of hoarseness and no fever . The causative agent mainly are :

- A) viral
- B) bacterial
- C) fungal

Ans:A

10) which of the following about buffer are true :

- A) 20% of CO₂ is transported by carbaminoHb.
- B) 10% of CO₂ is transported as dissolved in plasma.
- C) Carbonic anhydrase has reverse direction in the lung that forms CO₂.
- D) Acidosis is caused by CO₂ retention.
- E) 70% of CO₂ is transported as bicarbonate ions in the blood.

Ans:B

11) carboxyl group of DPG are combined with :

- A) lysin 82
- B) histidine 142
- C) lysin 2
- D) histidine 82

Ans:A

12) which of the following are true :

- A) ph more than pka means the buffer is more effective
- B) ph less than pka means the buffer is more effective
- C) in our blood plasma acid and base concentrations are equal
- D) in our blood acid to base concentrations are 20:1 respectively

13) the vestibule of the larynx are supplied by :

- A) external laryngeal
- B) recurrent laryngeal
- C) internal laryngeal

Ans:C

14) Which of the following conditions is generally not commonly associated with asthma?

- A) GERD (Gastroesophageal Reflux Disease)
- B) Anxiety disorder
- C) Obstructive sleep apnea
- D) Rhino-sinusitis
- E) Status asthmaticus

Ans:

15) congenital anomalies that describe abnormal diverticulum from the trachea:

- A- ectopic lung
- B- cystic lung
- C- supernumary lung lobule
- D- fistula
- E- lung agenesis

Ans: A

16) what are true about superior concha :

- A) it is bony projection from sphenoid
- B) bony projection from ethmoid
- C) mucous structure

Ans:B

17) the external nose supplied by :

- A) ophthalmic artery only
- B) maxillary artery only
- C) external & internal carotid arteries
- D)facial artery

Ans:c

18)Which part of lung is the most susceptible to injury?

- A) costal part
- B) apex of the lung
- C) mediastinal part
- D) base of lung

Ans:B

19) all of the following are false except :

- A) azygos vein enters thoracic cavity through aortic opening at T10
- B) internal thoracic vein lay lateral to internal thoracic artery
- C) the apex if the lung are one inc above middle of the median third of clavicle
- D) 3rd posterior intercostal vein ends in arch of azygos
- E) hemiazygos will cross midline at T4

Ans:D★★(كل سؤال عنده نجمة معناته الإجابة مش اكيد)

20) all of the following arteries are related to trachea except :

- A) inferior thyroid
- B) subclavian
- C) brachiocephalic
- D) common carotid
- E) superior laryngeal

Ans:

21) the angle of louis are layed at :

- A) opposite T4
- B) Opposite T3
- C) between T3/T4
- D) Between T4/T5
- E) between T5/T6

Ans:D

22) the host(s) which will be found in diagnosis of paragonimus in sputum :

- A) adult
- B) egg
- C) adult & egg

Ans:c

23) the two most common sites of hydatid cyst :

- A) liver & kidney
- B) liver & lung
- C) lung & kidney

Ans:B

24) gram negative rod shaped coccobacilli organism , it is fastidious and preferre to live in blood :

- A) H.influnza
- B)Brucella
- C)yersinia

Ans:A

25) which are false about histoplasma capsulatum :

- A) infection come from inhalation of droplets excreted by birds
- B) has skin test by histoplasmin
- C) lymphiod.....etc
- D) cause erythema nodusum in lower limb
- E) it is not communicable

Ans:

26) the organism whic replicate in the form of reticular bodies :

- A) legionella
- B) chlamydia
- C)Aspergillus
- D)histoplasma

Ans:B

27) Aspiration in the midaxillary region will perforate all the following except:

- A) Skin
- B) Pleura
- C) Internal intercostals
- D) External intercostals
- E) Subcostalis

Ans: E

28) Erythema nodosum is caused by ?

- A) Histoplasma capsulatum
- B) Chlamydia
- C) Paragonimus

Ans: A

29) Which bacteria likes to grow on agar with Staphylococcus aureus?

- A) Streptococcus pneumoniae
- B) Haemophilus influenzae
- C) Mycoplasma pneumoniae
- D) Bordetella pertussis

Ans: B

30) Which bacterium is most commonly associated with the production of a greenish pigment when cultured?

- A) Escherichia coli
- B) Staphylococcus aureus
- C) Pseudomonas aeruginosa
- D) Bacillus subtilis

Ans: C

31) At what concentration of deoxygenated hemoglobin in the blood does cyanosis typically become clinically apparent? (cyanosis threshold)?

- A) 2 g/dL
- B) 3 g/dL
- C) 4 g/dL
- D) 5 g/dL

Ans: D

32) Which of the following is true ?

- A) Clara cells protect the alveoli
- B) Cilia get rid of inhaled toxins
- C) Bronchioles don't have cartilage plates
- D) No cartilage in bronchioles

Ans: D

33) Normal pulmonary capillary pressure is:

- A) 7 mmHg
- B) 25 mmHg
- C) 40 mmHg
- D) 15 mmHg

Ans: A

34) The infectious dose of Tb:

- A) 1 bacterium
- B) 10 bacteria
- C) 100 bacteria
- D) 1000 bacteria

Ans: B

35) The thyroid cartilage of the larynx is derived from which embryonic structure?

- A) Neural crest cells
- B) Ectoderm
- C) Endoderm
- D) Branchial (pharyngeal) mesoderm

Ans: D

36) Patient with sudden onset of cough, fever, generalized aches, shortness of breath and homogenous opacity in right lower x-ray, best diagnosis:

- A) asthma
- B) sinusitis
- C) pneumonia
- D) lung cancer
- E) heart failure

Ans: C

37) Lady with yellow discharge, headache, high fever

Best drug:

- A) vancomycin
- B) erythromycin
- C) amoxicillin
- D) cephaxline
- E) clathromycin

Ans: C

38) Patient with daily shortness of breath, loss of 40% of (pulmonary function test%) . has been diagnosed with acute asthma attack with moderate severity, best corticosteroid in this emergency):

- A) IV Methylprednisolone
- B) Prednisolone
- C) Budesonide
- D) Fluticasone
- E) Beclomethasone

Ans: A ★★★

39) Paragonimus westermani diagnostic stage:

- A) egg
- B) egg and adult
- C) metacercaria

Ans: B

40) Which of the following microscopic appearances best describes *Mycoplasma pneumoniae*?

- A) Gram-positive cocci
- B) Acid-fast bacilli
- C) Fried egg-shaped colonies

Ans:c

41) One is the most common cause of pharyngitis?

- A) *Streptococcus pyogenes* (*S. pyogenes*)
- B) *Haemophilus influenzae*
- C) *Staphylococcus aureus*
- D) *Moraxella catarrhalis*

Ans:A

42) Which respiratory virus is commonly associated with chest retraction?

- A) RSV (Respiratory Syncytial Virus)
- B) Adenovirus
- C) Rhinovirus
- D) Coronavirus
- E) Influenza A

Ans:A

43) Difference between normally inhale and forced inhale with maximum capacity?

- A) inspiration reserve volume
- B) vital capacity
- C) Tidal volume

Ans: A★★

44) Not related to Methadone:

- A) long duration
- B) severe cough in lung cancer
- C) replacements of morphine addiction
- D) not used in children

Ans:c

45) Reactivation of TB except ?

- A) ageing
- B) diabetes
- C) co infection HIV
- D) multi drug resistance
- E) malnutrition

Ans: D

46) Volume of the air that the lung can accommodate after maximum respiratory effort:

- A) volume capacity
- B) total lung capacity
- C) tidal volume

Ans:B

47) What physiological factor helps keep alveoli dry?

- A) High oncotic pressure of capillary blood
- B) Low hydrostatic pressure of interstitial fluid
- C) Elevated pH of alveolar lining
- D) Increased surface tension of alveolar walls

Ans:A

48) Hemoptysis causes except:

- A) Acute bronchitis
- B) bronchiectasis
- C) bronchogenic carcinoma
- D) pleurisy

Ans:D

49) Structure of heme in myoglobin and hemoglobin:

- A) heme has similar structure in myoglobin and hemoglobin
- B) heme is a complex of porphyrin and ferric iron(Fe^{+3})
- C) porphyrins are a group of organic compound that have four pyrrole subunits interconnected via alpha-methylene bridges (=CH-)
- D) A pyrrole ring is a group of four carbon atoms and a nitrogen atom bounded together in a ring

Ans:B

50) mechanism of action of LT receptor antagonist:

- A) chemical antagonism
- B) pharmacological antagonism
- C) non competitive
- D) partial
- E) physiological

★★

51) Which of the following drugs is commonly used to treat acute bronchitis?

- A) amoxicillin
- B) ibuprofen
- C) albuterol
- D) acetaminophen

Ans:c★★

52) All of them true about a-tocopherol except:

- A) Is the most widely distributed antioxidant in nature
- B) lipid-soluble antioxidant
- C) lipid radicals produced in the lipid peroxidation chain reaction
- D) food rich in vitamin E include olive oil, margarine, almonds, peanuts, meats, dairy and leafy greens
- E) ascorbic acid regenerate the oxidised form of vit E....

Ans:E

53) Which statement is not related to Dextromethorphan?

- A) Does not cause respiratory depression
- B) Available in over-the-counter (OTC) preparations
- C) Has antitussive effects
- D) Has analgesic effects
- E) Is not used for the treatment of cough due to asthma

54) co-triamoxazole used in ?

- A) otitis media
- B) sinusitis
- C) pharyngitis
- D) acute bronchitis

Ans:

55) What causes shift mutation in his genome? مكرر ارشيف

- A) Influnza A
- B) Paramyxovirus
- C) Adenovirus
- D) Rhinovirus

Ans:A

56) true about infant who born after 29 - 32 week :
has 15 - 40 % tendency to RDS

57) patient with non necrotizing fibrosis , peribronchiolar accentuation and by BAL specimen CD4 and CD8 are found:

- A) sarcoidosis
- B) hypersensitivity pneumonia

Ans:B

58) hydroxyl group are generate ----- for killing invasive organisms by ----- :

- A) OH, neutrophils
- B) Hypochlorous acid, neutrophils
- C) Superoxide radicals, macrophages
- D) Nitric oxide, eosinophils

Ans:B

59) true are :

Superoxide dismutase known as primary defence against oxidative stress

60) the true are :

- A) dorsal respiratory groups are for normal inspiration , but ventral respiratory for forced expiration.
- B) dorsal respiratory groups has expiratory neurons , but ventral respiratory groups has inspiratory.
- C) ventral respiratory groups has expiratory neurons only , but dorsal has inspiratory only.

Ans:A

61) histotoxic include :

- A) high O₂ level in the blood
- B) low O₂ level in the blood

Ans:A★★

62) Patient with TB , after treatment it notice dark coloration in urine (red / orange) , and new neuropathy symptoms . Which would be likely true :

- A) the red coloration caused by isoniazid , but the deficiency in vitB6 caused by rifampin
- B) the red coloration caused by isoniazid , but the deficiency in vitB6 caused by rifampin .
- C) the red coloration caused by rifampin, but the deficiency in vitB6 leading to neuropathy by isoniazid

Ans:c

63) A 3-year-old child is brought to the emergency room by his parents with concerns about a recent onset of a barking cough. The child has had a runny nose and low-grade fever for the past few days. His parents report that the cough worsens at night and sounds like a “seal bark.” Additionally, they mention that the child has been experiencing hoarseness and noisy breathing, especially when inhaling.

- A) pneumonia
- B) croup
- C) common cold
- D) asthma

Ans: B

64) Pattern of normal, depth breathing:

- A) ventral respiratory group
- B) pneumotaxic
- C) apneustic
- D) midbrain centre

★★

65) In high altitude?

- A) O_2 tension decrease
- B) induce hyperventilation
- C) stimulation of 2,3 DPG synthesis
- D) acidosis
- E) unloading oxygen

66) Which statement regarding diphtheria vaccination is correct?

- A) Booster doses every 10 years are recommended for adults.
- B) Administering the vaccine to adults is not recommended due to the risk of encephalopathy.
- C) Diphtheria vaccine should only be given to children under the age of 5.
- D) Diphtheria vaccination provides lifelong immunity after a single dose.

Ans: A

67) Which artery supplies the parietal pleura?

- A) parasternal artery
- B) Intercostal arteries
- C) Subclavian artery
- D) Bronchial arteries

Ans: B

68) A 75-year old man who had worked in a shipyard dies of a chronic lung disease. Autopsy reveals extensive pulmonary fibrosis, and iron stains of lung tissue show numerous ferruginous bodies. The dome of the diaphragm shows the presence of pleural plaques. What is the most appropriate diagnosis?

- A) Anthracosis
- B) Sarcoidosis
- C) Tuberculosis
- D) Asbestosis
- E) Silicosis

Ans: D

69) Which of the following structures is NOT typically found in the intra-alveolar septa?

- A) Capillaries
- B) Elastic fibers
- C) Smooth muscle
- D) reticular fibers

Ans:C

70) A 6-years-old girl experiencing frequent allergic reactions, Which medication is recommended to inhibit the release of mediators that cause this?

- A) Theophylline
- B) Sodium Cromoglycate
- C) Loratadine
- D) Prednisone

Ans:B

