

1- All are type of hypoxia except?

- A- polythemic hypoxia
- B- stagnant hypoxia
- C- hypoxemic hypoxia
- D- anemic hypoxia
- E- histotoxic hypoxia

2- Viral Cause of Upper Respiratory Tract Infection?

- A- Hemophilus influenza
- B- para influenza
- C- klebsiella
- D- staphylococcus Aureus
- E- legionella

3- About pneumonia which one is false?

- A- Severity can be assessed using (CURB65) score
- B- Pneumococcal infection has very good prognosis
- C- Legionella Pneumonia can be test by Urine antigen
- D- Oral penicillin to patients with higher risk of Lower Respiratory tract infection
- E- Aspiration Pneumonia can occur in debilitated patients

4- complications of COPD include?

- A- Recurrent chest infection
- B- Cor pulmonale
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- E- All of the above

5- Regarding the Surfactant which one false?

- A- increases lung compliance by increasing surface tension
- B- Stabilize the lungs
- C- preventing small alveoli collapsing into big ones
- D- Prevents the surface tension in alveoli creating a suction force tending to cause transudation fluid from pulmonary capillaries

6- about the thoracic cage all are true except?

- A- Continuous with neck superiorly
- B- The thoracic vertebrae located posteriorly
- C- Consist of sternum and costal cartilage laterally
- D- Open indirectly to the abdomen

Answers

1- A 2- B 3- B 4- E 5- A 6- C

7- All of the following about paranasal sinus all true except?

- A- Are air filled space
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8- About respiratory failure?

- A- type has better prognosis
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9- All true except one about the pleural space?

- A- Is normally filled with a few liters of fluid
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- A- The trachea and bronchi have cartilage in their wall
- B- Bronchioles have skeletal muscles in their wall
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- D- Alveoli provide the single cell thickness membrane for diffusion

11- About diaphragm what is false?

- A- The diaphragm is a dome shaped muscle which divides the thoracic cavity from the abdominal cavity.
- B- The marked convexity (dome) of the diaphragm means that the thoracic cavity is much larger than the bony thorax would suggest
- C- The right dome of the diaphragm lies at the level of the 5th rib, and left dome is slightly lower at the level of the 5th intercostal space

12- About trachea chose the false one?

- A- The trachea commences at the lower border of the cricoid cartilage in the neck
- B- terminates by dividing, into the right and left main bronchi (at the level of the sternal angle)
- C- The angle between the right and left main bronchi is known as the carina
- D- The trachea is held open by 16- 22 U shaped cartilages

Answers

7- D 8- C 9- A 10- B 11- B 12- D

13- The cause of consolidation include all of them except?

- A- pneumonia
- B- pneumothorax
- C- effusion
- D- cancer
- E- haemorrhage

14- Which one is not correct about intercostal muscle?

- A- They are 3 intercostal muscle
- B- The external intercostal muscles the fibres of these muscles run Downwards & superiorly from the inferior margin of the rib above to Superior margin of the rib below
- C- These muscles are responsible for 30% of chest expansion during
- D-

15- In control of hypoxia which one is false?

- A- Kidney has no role
- B- Fall of arterial pO₂ detected by peripheral chemoreceptor
- C- Increase of tidal volume and rate of respiration
- D- Change in circulation and directing more blood to the brain and kidney
- E- Increased pumping of blood by heart

16- Signs of COPD on chest x-ray include all except?

- A- flattening of diaphragm
- B- hyperlucency of the chest
- C- anteroposterior lung
- D- all of them
- E- non of them

17- Prognosis of lung cancer by?

- A- Cell type
- B- Comorbidity
- C- Stages
- D- All of them

18- What cause asthma exacerbation?

- A- Non-adherent to drugs
- B- In cold environment
- C- Allergy or trigger drug (NSAID)
- D- All of them

Answers

13- B 14- B 15- A 16- E 17- D 18- D

19- which one of the following about nervous supply of lung is true?

- A- The lung receives fibers from vagi and trigeminal nerve the sympathetic trunk via the pulmonary plexuses which are situated at each hilum
- ☒ B- the parasympathetic fibres from the vagus are motor to the bronchial smooth muscle (bronchoconstrictor) inhibitory to pulmonary vessels (vasodilator) and secretory motor to mucous glands
- C- The vagal efferent fibres are those for the cough reflex and some subserving pain
- D- the sympathetic afferents are bronchodilator and vasoconstrictor

20- Drug for TB except?

- A- Pyrazinamide
- B- isoniazid
- C- Rifampin
- D- Ethambutol
- ☒ E- Trimethoprim

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Quiet respiration

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8- Symptoms of tuberculosis

- A) night sweat
- B) weight loss.
- C) sputum
- D) all of above
- E) none of above

9. Complication of pneumonia

- A) pleural abscess
- B) pleural effusion
- C) emphysema
- D) all of above
- E) None of above

10. About hypoxia which one is not TRUE?

- A. Controlled by peripheral receptor
- B. Increased cardiac output to brain and kidney
- C. Increased pumping action of heart
- D. Increased in tidal volume
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14. About RF which one is true

- A/type 2 has better prognosis
- B/patient can do daily activity
- C/bounding pulse and flapping tremor are sign of CO₂ retention
- D/clinical suspicion is of no significant
- E/no need for oxygen

15. About pneumonia which one is false:

- a- Severity can be assessed using (CURB65) score
- b- **Pneumococcal infection has very good prognosis**
- c- Legionella Pneumonia can be test by Urine antigen
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- e- Aspiration Pneumonia can occur in debilitated patients

16 Which of the following is not cause of interstitial lung disease:

- A) idiopathic
- B) **smoking**
- C) drug-induced
- D) occupation

17. Regarding to cough which isn't true:

- A. always require investigation to diagnose it's cause.
- B. Good significant sign
- C. Dry cough is sign of lung cancer
- D- upper and lower respiratory tract infection

18. Regarding the Surfactant which one incorrect answer?

- A- **increases lung compliance by increasing surface tension**
- B- Stabilize the lungs
- C- preventing small alveoli collapsing into big ones
- D- Prevents the surface tension in alveoli creating a suction force tending To cause transudation fluid from pulmonary capillaries

19. Which one is correct

A. Exudate is highly protein content



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B. transudate is highly protein content

C. Exudate and transudate both have similar protein content

D. Exudate is typically low in protein content, while transudate is high in protein content

E. Neither exudate nor transudate contain high amounts of protein

20. Which one is not true pulmonary segment

A) A bronchopulmonary segment is a pyramid shaped area of lung with its apex facing towards hilum and base toward lung surface

B) Pulmonary artery also accompany the bronchi

C) Knowledge of bronchopulmonary segments is surgically important, because they can be isolated and removed without much bleeding

D).....

21. regarding about intercostal:

A) Intercostal arteries supply the intercostal muscles, parietal pleura & overlying skin

B) Each space has an anterior intercostal artery (except the last two) which anastomoses with a intercostal superior intercostal artery

C) The anterior intercostal arteries arise from the internal thoracic artery (a branch of the subclavian) & its continuation, the musculophrenic artery.

D) Posterior intercostal arteries arise from the aorta and the superior intercostal artery (from the costo-cervical trunk, a branch of subclavian)

22. Which one is not cause of renal failure:

A. Cystic fibrosis

B) mild obesity

C) Multiple sclerosis

D) spinal cord injury

23. Drug for Pneumonia, except:

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Q. About Hb which one is False?? (Respiratory)

- A. It's a tetrameric structure (2 α ,2 β) contain 4 group of haem which binds to 4 O₂ molecule
- B. Has low affinity (tense state), and high affinity (relax state)
- C. In decreased PH has low affinity to O₂
- D. In increased temperature has high affinity to O₂

Q. Which one is true about respiratory failure ? (Respiratory)

A. Type 2 RF has very good prognosis

B. CO₂ retention

C. Not affected by exercise

Q. About hypoxia which one is not TRUE ? (Respiratory)

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B. Increased cardiac output to brain and kidney

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C/bounding pulse and flapping tremor are sign of CO₂ retention ✓

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1- about the respiratory system all true except?

- A. basic function is to do gas exchange
- B. consist of network of passage
- C. ensure all tissue receive O₂ and give CO₂
- D. no difference in capacities between male and female

2- complications of COPD include (RS)

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—not type of hypoxia

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—spirometry interpretation

A) $TLC = IRV + IV + ERV$

B) TV= is lung volume that represents amount of air that displaced between normal inspiration and expiration ,with extra effort

C) $RV = FRC - ERV$ ✓

D) $IC + ERV$

E) $IC - IRV$

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—regarding respiratory centre in brain is false?

A) respiratory rhythmicity centre in midbrain sets basic rhythm of breathing .

B) control respiratory muscles set rate and depth of ventilation.

C) there are 3 pairs of nucleus.

D) two pair of nucleus in midbrain

E) one pair of the nucleus in the medulla oblongata.

There are 2 groups of neurons in the in medulla oblongata and one in the pons, this question is wrong

Q4.6(36) Viral Cause of Upper Respiratory Tract Infection ?

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b- para influenza ✓

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e- legionella