

RS- Physiology

Archive

Lecture2

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1-All of the following is true regarding residual volume except ?

Can be measured by spirometry

2-The difference between normal inhalation and forced inhalation with maximum capacity is ? A) Inspiration reserve volume B) vital capacity C) Tidal volume

Answer: A

3-The volume of air the lungs can hold after maximum inhalation is called?

- A) Volume capacity
- B) Total lung capacity
- C) Tidal volume

Answer: B

Correct about dead space

- a- equal body weight in kg
- b- Alveolar Dead Space always pathological
- c -Cause of negative intrapleural pressure

Answer: B

Alveolar space is : -

the space that undergoes exchange between O_2 and CO_2

All of the following statements regarding functional residual capacity (FRC) are true, except:

- A) FRC is the volume of air remaining in the lungs after normal expiration.
- B) FRC increases with age due to decreased lung elasticity.
- C) FRC is determined by the balance between lung elastic recoil and chest wall expansion.
- D) FRC increases with decreased lung elasticity.
- E) FRC is important for maintaining constant gas exchange between breaths.

Answer: B

In a healthy individual with no ventilation-perfusion mismatch, which of the following statements is correct?

- A) Anatomical dead space is greater than physiological dead space
- B) Physiological dead space is greater than anatomical dead space
- C) Anatomical dead space = physiological dead space
- D) Both dead spaces are negligible
- E) Dead spaces vary with tidal volume

Answer: c



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