

RPFT^{Q&As}

Registry Examination for Advanced Pulmonary Function Technologists

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QUESTION 1

The normal response to an increasing PaCO₂ is

- A. To maintain a constant VE until the PaCO₂ exceeds 55 torr.
- B. A decrease in VE of 2 to 5 L/min/torrPCO₂.
- C. An increase in VE of 1 to 6 L/min/torr PCO₂.
- D. An increase in VE of 10 to 15 L/min/torrPCO₂.

Correct Answer: C

QUESTION 2

A pulmonary function technologist is performing quality control on a nebulizer used in the 5-breath dosimeter bronchial challenge. The target output of the device is 0.09 mL, plus or minus 10%. After 10 actuations, the nebulizer output was 75 ? with a 2.0 mL initial saline dose in the nebulizer. The technologist should

- A. Open the vent before starting the bronchial challenge.
- B. Add an exhalation filter and proceed with testing patients.
- C. Clean and reevaluate this nebulizer.
- D. Accept the results and begin using the device.

Correct Answer: D

QUESTION 3

A pulmonary function technologist is asked to select gas concentrations to simulate pediatric patients' exhaled concentrations during a DLco simulation. Which of the following FECO concentrations should the technologist select?

- A. 0.200
- B. 0.300
- C. 0.400
- D. 0.100

Correct Answer: B

QUESTION 4

Using a peak flowmeter, a pulmonary function technologist obtains the following:

<u>Trial</u>	<u>Flow (L/min)</u>
1	850
2	650
3	750

The technologist should

- A. Conclude that bronchodilatation has occurred.
- B. Report the average of the two best efforts.
- C. Perform at least one more peak flow trial.
- D. Report the patient's peak flow as 750 L/min.

Correct Answer: C

QUESTION 5

During a cardiopulmonary stress test using breath-by-breath gas analysis, a pulmonary function technologist notices that the VO₂ suddenly decreases. Which of the following may explain this change?

1.

The patient has achieved anaerobic threshold.

2.

The measurement of the expired gas volumes is inaccurate.

3.

O₂ analyzer "phase delay" has increased.

4.

There is a leak in the tubing or mouthpiece.

- A. 1, 3, and 4 only
- B. 1, 2, and 3 only
- C. 1, 2, and 4 only
- D. 2, 3, and 4 only

Correct Answer: A