

Pulmonary Vascular Disease – Post-Test

Directions: Select the letter corresponding to the MOST CORRECT response.

1. The risk for pulmonary thromboembolism is increased by all of the following, EXCEPT:

- A. inherited thrombophilia
- B. physical exercise
- C. malignancy
- D. smoking

2. Fatal pulmonary emboli most frequently result from thrombi that originate in which area?

- A. calf
- B. thigh
- C. axilla
- D. foot

3. Pulmonary thromboembolism increases pulmonary artery pressure through which mechanism(s)?

- A. physical obstruction
- B. release of vasoconstrictors
- C. hypoxemic vasoconstriction
- D. all of the above

4. A patient with pulmonary thromboembolism develops severe, refractory hypoxemia that worsens with increments of positive-end expiratory pressure. This is most likely due to _____.

- A. mixed ventilation-perfusion defects
- B. alveolar dead-space
- C. pulmonary infarction
- D. patent foramen ovale

5. The common physical signs of pulmonary thromboembolism include all of the following, EXCEPT:

- A. bradycardia
- B. new onset of wheezing
- C. hemoptysis
- D. fever

6. The Wells scoring system is used for what purpose?

- A. to prognosticate fatality
- B. for risk stratification for pulmonary embolism
- C. to identify the clinical probability for pulmonary thromboembolism
- D. to determine the likelihood of left ventricular failure

7. Which laboratory study is the primary marker to rule out pulmonary thromboembolism?

- A. troponin
- B. brain natriuretic peptide
- C. D-dimer
- D. creatine kinase MB

8. Which of the following agents dissolve blood clots?

- A. alteplase
- B. coumadin
- C. heparin
- D. all of the above

9. Bosentan (Tracleer) reverses pulmonary hypertension through which mechanism?

- A. calcium channel blockade
- B. endothelin antagonism
- C. beta adrenergic blockade
- D. nitric oxide secretion

10. Which of the following is the longest acting prostacyclin analog?

- A. milrinone (Primacor)
- B. iloprost (Ventavis)
- C. epoprostanol (Flolan)
- D. treprostinil (Remodulin)