

Respiratory Therapeutics For Pulmonary Arterial Hypertension
Quiz

Directions: Select the Best response for each item.

1. Which of the following hemodynamic values indicates the presence of pulmonary arterial hypertension?
 - A. Pulmonary arterial occlusion pressure = 10 mm Hg
 - B. Mean aortic pressure = 100 mm Hg
 - C. Mean pulmonary arterial pressure = 30 mm Hg
 - D. Central venous pressure = 7 mm Hg

2. The World Health Organization (WHO) developed classifications of pulmonary arterial hypertension (PAH) based on:
 - A. functional level
 - B. etiology
 - C. pathology
 - D. manifestations

3. Routine, general management for PAH includes all of the following, EXCEPT:
 - A. vasopressors
 - B. supplemental oxygen
 - C. diuretics
 - D. anticoagulants

4. A phosphodiesterase inhibitor that is AEROSOLIZED for management of PAH is _____.
 - A. milrinone (Primacor)
 - B. nefedipine (Procardia)
 - C. sildenafil (Viagra)
 - D. bosentan (Tracleer)

5. Reperfusion of ischemic myocardium resulting from procedures, like angioplasty, can cause PAH by which mechanism?
 - A. phosphodiesterase inhibition
 - B. catecholamine suppression
 - C. nitric oxide release
 - D. endothelin release

6. In young persons, pulmonary hypertension, accompanying a congenital anatomic shunt, often mimics _____.
 - A. pulmonary fibrosis
 - B. myocardial infarction
 - C. asthma
 - D. pulmonary edema

7. The indications for prostacyclin therapy for PAH include which of the following?
 - A. PAH WHO Group I
 - B. NYHA class III and IV
 - C. Failure of other, standard therapeutics
 - D. All of the above

8. The duration of action for epoprostenol (Flolan) is:
 - A. 3-5 minutes
 - B. 30-60 minutes
 - C. 60-120 minutes
 - D. 120-180 minutes

9. The Respironics (TM) Prodose and I-neb nebulizers are intended to deliver which medication?
 - A. nitric oxide
 - B. iloprost (Ventavis)
 - C. bosentan (Tracleer)
 - D. epoprostenol (Flolan)

10. All of the following correctly applies to Flolan aerosol delivery in the acute care setting, EXCEPT:
 - A. The solution must be shielded from light.
 - B. Drug delivery should be suspended for transports .
 - C. Systemic hypotension may occur as a side effect.
 - D. The pharmacist is responsible for reconstitution of the drug.