

Bronchiectasis Management: From Guidelines to Patient Care SD Post-Test

1. Which imaging study is considered the gold standard for diagnosing bronchiectasis?
 - A. Chest X-ray
 - B. Pulmonary angiography
 - C. High-resolution CT (HRCT)
 - D. Ventilation-perfusion scan

2. Which of the following is a common symptom of bronchiectasis?
 - A. Sudden vision loss
 - B. Productive cough with sputum production
 - C. Hematuria
 - D. Bradycardia

3. According to the presentation, frequent antibiotic use for respiratory infections (>2 per year) should raise suspicion for:
 - A. Pulmonary embolism
 - B. Bronchiectasis
 - C. Sleep apnea
 - D. Pulmonary hypertension

4. Which pathogen is associated with increased disease burden and healthcare costs in bronchiectasis?
 - A. Streptococcus pyogenes
 - B. Respiratory syncytial virus
 - C. Pseudomonas aeruginosa
 - D. Candida albicans

5. The “vicious vortex” model of bronchiectasis includes all of the following EXCEPT:
 - A. Infection
 - B. Impaired mucociliary clearance
 - C. Lung damage
 - D. Increased alveolar surfactant production

Bronchiectasis Management: From Guidelines to Patient Care SD Post-Test

6. An exacerbation of bronchiectasis is generally defined as worsening of three or more symptoms within what time frame requiring a change in treatment?

- A. 2 hours
- B. 24 hours
- C. 48 hours
- D. 7 days

7. Which airway clearance device utilizes oscillatory positive expiratory pressure?

- A. OPEP device
- B. Incentive spirometer
- C. Peak flow meter
- D. Pulse oximeter

8. For patients with suspected NTM pulmonary disease, microbiologic diagnosis generally requires:

- A. One positive sputum culture
- B. Two positive sputum cultures with the same species/subspecies
- C. Positive blood cultures
- D. Positive bronchoscopy alone

9. Which laboratory test may be useful in evaluating an underlying cause of bronchiectasis?

- A. Troponin I
- B. D-dimer
- C. Alpha-1 antitrypsin level
- D. Prostate-specific antigen

10. Which of the following is an important role of the respiratory therapist in bronchiectasis management?

- A. Performing cardiac catheterizations
- B. Teaching airway clearance techniques and device use
- C. Prescribing antibiotics independently
- D. Interpreting chest CT scans