

Lung Clearance Techniques
Post-test

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

- 1, Mucus is secreted in the lung by all of the following structures, EXCEPT:
 - A. cilia
 - B. goblet cells
 - C. submucosal glands
 - D. Clara cells

2. Hereditary ciliary dyskinesia is also known as _____.
 - A. bronchiolitis
 - B. cystic fibrosis
 - C. Kartagener's syndrome
 - D. chronic bronchitis

3. Physical signs of atelectasis include all of the following, EXCEPT:
 - A. tracheal shift toward affected side
 - B. fever
 - C. hypoxemia
 - D. decreased inspiratory capacity

4. Research has yielded evidence that AEROSOLIZED _____ increases secretion _____ clearance from the lung.
 - A. hypertonic saline
 - B. acetylcysteine
 - C. normal saline
 - D. supersaturated potassium iodide (SSKI)

5. Which airway clearance technique is described as slow diaphragmatic breaths followed by glottis-open huffs at low-to-mid lung volumes?
- A. autogenic drainage
 - B. active cycle of breathing
 - C. forced expiratory technique
 - D. none of the above
6. Which of the following statements does NOT correctly apply to clinical application of the mechanical in/exsufflator?
- it is indicated
- flow.
- A. The usual pressure settings are +40 and -40 cm H₂O.
 - B. A patient's maximum INSPIRATORY pressure determines whether
 - C. The device provides negative pressure for increased expiratory flow.
 - D. The device provides positive pressure for inflation.
7. The recommended regimen for vibratory PEP includes which of the following components?
- A. 10-20 breaths/cycle
 - B. each cycle followed by directed coughs
 - C. cycles should be repeated for 10-20 min. up to QID
 - D. all of the above
8. Devices that produce mucolysis by resonating frequency response include all of the following, EXCEPT the ____.
- A. intrapulmonary percussive devices
 - B. vest-type external oscillatory devices
 - C. kinetic bed
 - D. cuirass external oscillatory device

9. According to research findings, which of the following interventions may prevent atelectasis?

- A. incentive spirometry
- B. PEP, CPAP therapy
- C. bronchial hygiene physical therapy
- D. all of the above

10. Which of the following interventions is indicated to manage extensive, obstructive atelectasis?

- A. therapeutic bronchoscopy
- B. acoustical therapy (Dymedso™ device)
- C. intrapulmonary percussive ventilation
- D. vibratory positive expiratory pressure