

Preventing Ventilator-Associated Pneumonia – Post-Test

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

1. What is the most frequent hospital-associated infection?

- A. Ventilator-associated pneumonia
- B. Urinary tract infection
- C. Staphylococcal wound infection
- D. Clostridium difficile gastroenteral infection

2. Which of the following microorganisms commonly causes LATE ONSET hospital-acquired pneumonia?

- A. hemophilus species
- B. streptococci
- C. pseudomonas aeruginosa
- D. enterobacter

3. Which of the following anatomic areas normally is sterile?

- A. inferior to the vocal cords
- B. oropharynx
- C. nasopharynx
- D. epiglottis

4. An endotracheal tube compromises defense of the lung against infection. Which of the following are mechanisms for the compromise?

- A. provides a direct conduit for microorganisms
- B. impairs cough
- C. impairs mucociliary clearance
- D. all of the above

5. Contaminated tap water is a likely source of nosocomial infection involving which of the following organisms?

- A. clostridium difficile
- B. coronavirus
- C. pseudomonas aeruginosa
- D. all of the above

6. Risk factors for ventilator-associated pneumonia include all of the following, EXCEPT:

- A. Prolonged hospitalization before mechanical ventilation
- B. Suctioning by the open suctioning technique
- C. COPD
- D. Smoking

7. Which of the following practices may cause re-inoculation of patients by organisms present on the biofilm of an endotracheal tube?

- A. recruitment maneuvers
- B. humidification by heat and moisture exchangers
- C. instillation of normal saline for suctioning
- D. closed suctioning technique

8. The clinical pulmonary infection score includes all of the following assessments, EXCEPT:

- A. fever
- B. leukocyte count
- C. accessory muscle usage
- D. purulence of secretions

9. All of the following are effective measures for preventing ventilator associated pneumonia, EXCEPT:

- A. increased clinical staffing
- B. swabbing patients' mouths with chlorhexidine
- C. soap and water hand-washing between all patients
- D. administration of aerosols by metered-dose inhalers, instead of nebulizers

10. The silver-coated endotracheal tube intends to decrease ventilator-associated pneumonia by _____.

- A. decreasing airway trauma
- B. removing secretions above the tube cuff
- C. filtering out potential invasive microorganisms
- D. inhibiting biofilm accumulation