

Noninvasive Ventilation  
Post-test

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

1. Negative pressure ventilation is contraindicated for which condition?
  - A. flail chest
  - B. COPD
  - C. obstructive sleep apnea
  - D. post-surgical ventilator for congenital heart disease
  
2. The complications of negative pressure ventilation include all of the following, EXCEPT \_\_\_\_.
  - A. ventilator-induced lung injury
  - B. gastrointestinal bleeding
  - C. back pain
  - D. peripheral venous pooling
  
3. Contraindications for noninvasive positive-pressure ventilation include all of the following, EXCEPT \_\_\_\_.
  - A. facial trauma or surgery
  - B. active vomiting
  - C. blunt chest trauma
  - D. acute abdominal process
  
4. The effectiveness of noninvasive positive-pressure ventilation is questionable for which of the following conditions?
  - A. COPD exacerbations
  - B. ARDS
  - C. acute cardiogenic pulmonary edema
  - D. neuromuscular conditions

5. Which interface is considered optimal for noninvasive positive-pressure ventilation to manage acute respiratory failure?
- A. helmet
  - B. nasal mask
  - C. total face mask
  - D. oronasal (full) face mask
6. Mechanical dead space during noninvasive positive-pressure ventilation is increased by using which of the following?
- A. single-limbed ventilator circuit
  - B. double-limbed ventilator circuit
  - C. heat and moisture exchanger
  - D. A and C
7. Desirable features for institutional bilevel ventilators include which of the following?
- A. leak compensation
  - B. trigger compensation
  - C. graphic display
  - D. all of the above
8. In the U.S., the most common mode of ventilation applied to noninvasive positive-pressure ventilation is \_\_\_\_ ventilation.
- A. volume control
  - B. pressure support
  - C. pressure control
  - D. pressure control with volume guarantee

9. Which of the following circumstances suggests that noninvasive positive-pressure ventilation would NOT succeed in managing ventilatory failure?
- A. APACHE II score < 29
  - B. pH > 7.30
  - C. presence of pneumonia
  - D. Glasgow coma score > 15
10. Which of the following statements does NOT correctly apply to aerosol delivery with noninvasive positive-pressure ventilation?
- A. metered-dose inhalers are ineffective
  - B. nebulizer placement should be proximal to the patient
  - C. nebulizer placement should be between the patient and leak valve
  - D. aerosols are effectively delivered via nasal interface