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9. Which of the following is a relative contraindication for indomethacin use?
- platelet count of 75,000/mm<sup>3</sup>
  - serum creatinine of 2.2 mg/dL
  - urine output of 1.5 mL/kg/hour
- 
10. During an oxygen needs test, an infant is said to have bronchopulmonary dysplasia (BPD) if, after 30 minutes on room air, the oxygen saturation is < \_\_\_\_ percent.
- 90
  - 93
  - 95
- 
11. Which of the following cofactors is required for the production of antioxidant enzymes?
- carnitine
  - cobalt
  - copper
- 
12. Which of the following is a common finding in infants with surfactant-treated lungs who have BPD?
- bronchial stenosis
  - fewer, larger alveoli
  - hyperplasia of the conductive airways
- 
13. BPD increases the premature infant's metabolic rate by approximately \_\_\_\_ percent.
- 15
  - 20
  - 25
- 
14. Production of vascular endothelial growth factor is stimulated by:
- hypoxia
  - insulin-like growth factor
  - optic nerve stimulation
- 
15. The presence of blood vessel growth extending from the retina into the vitreous is characteristic of stage \_\_\_\_ retinopathy of prematurity (ROP).
- 2
  - 3
  - 4
- 
16. The use of vitamin E to prevent ROP has been shown to increase the risk of:
- chronic lung disease
  - free oxygen radicals
  - sepsis
- 
17. Mydriatic agents containing phenylephrine require cautious use in infants with:
- hypertension
  - NEC
  - threshold disease
- 
18. The recommended dose of beractant is \_\_\_\_ mL/kg.
- 2.5
  - 3
  - 4
- 
19. Following surfactant administration, suctioning should be avoided for at least \_\_\_\_ minutes.
- 30
  - 60
  - 90
- 
20. From an ethical perspective, it is important to recognize that beractant may be undesirable for a family with what religious background?
- Hindu
  - Muslim
  - Seventh Day Adventist
- 
21. The primary action of nitric oxide (NO) is:
- enhancing alveolar gas diffusion
  - improving cardiac output
  - relaxation of vascular smooth muscle
- 
22. Current recommendations from the literature suggest that inhaled nitric oxide (iNO) therapy be initiated when the oxygen index meets or exceeds:
- 15
  - 20
  - 25
- 
23. In addition to reducing the dose of NO, methemoglobinemia may be treated with intravenous:
- immune globulin
  - methylene blue
  - sildenafil
- 
24. What is the approximate cost per day of iNO therapy?
- \$1,000
  - \$2,000
  - \$3,000
- 
25. In a randomized clinical trial, administration of sildenafil to newborns with persistent pulmonary hypertension of the newborn caused a/an:
- drop in oxygenation
  - increase in systemic blood pressure
  - reduction in the effectiveness of iNO
- 
26. Prostaglandin I<sub>2</sub> (prostacyclin) is being used therapeutically to cause:
- increased cardiac contractility
  - pulmonary vasodilation
  - systemic vasoconstriction
- 
27. The drug of choice for antenatal steroid treatment is:
- betamethasone
  - dexamethasone
- 
28. Short-term risks of postnatal steroid therapy include:
- gastrointestinal bleeding
  - hypoglycemia
  - pulmonary hemorrhage
- 
29. Infants treated with steroids postnatally are more likely to develop:
- cerebral palsy
  - hydrocephalus
  - renal impairment
- 
30. The onset of action of albuterol is \_\_\_\_ minutes.
- 5
  - 10
  - 15
-





## Evaluation Directions

Thank you for taking the time to assist us in evaluating the effectiveness of this course. Using the scale below, darken the circles corresponding to your responses. If an item is not applicable, leave it blank.

①	②	③	④	⑤
Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree

### Objectives:

I am able to:

1. Discuss complications of positive pressure ventilation in the premature neonate. ① ② ③ ④ ⑤
2. Evaluate the impact of surfactant and inhaled nitric oxide therapies. ① ② ③ ④ ⑤
3. Compare and contrast high-frequency jet ventilation and high-frequency oscillatory ventilation. ① ② ③ ④ ⑤
4. List the criteria used to select infants as extracorporeal membrane oxidation candidates. ① ② ③ ④ ⑤

### Presentation

1. The material presented is relevant to my practice. ① ② ③ ④ ⑤
2. The content of this activity is likely to engender a change in my clinical practice. ① ② ③ ④ ⑤
3. The questions on the test reflected the content of the book. ① ② ③ ④ ⑤
4. The book content was comprehensive. ① ② ③ ④ ⑤
5. The test directions were clear. ① ② ③ ④ ⑤
6. The CNE activity was free of commercial bias. ① ② ③ ④ ⑤
7. I would recommend this CNE activity to colleagues. ① ② ③ ④ ⑤
8. I perceive the education level of this course to be: ① ② ③  
 1 = Basic; 2 = Intermediate; 3 = Advanced

9. How long did it take you to complete the course? \_\_\_\_\_ hours \_\_\_\_\_ minutes

10. In what level unit do you practice? I\_\_\_ II\_\_\_ III\_\_\_

I am a  staff nurse  NNP  nurse manager \_\_\_\_\_ other (please state)

What subjects would you like to see offered for CE courses? \_\_\_\_\_

Additional comments: \_\_\_\_\_

\_\_\_\_\_