

Management of Neonatal Patients Post-Test

- 1) Oxygen therapy achieving a PaO₂ above 50 mm Hg can be lethal for patients with mitral atresia because this level of oxygenation will cause_____.
 - a) Closure of the ductus arteriosus
 - b) Retinopathy of prematurity
 - c) Oxygen induced hypoventilation
 - d) Pulmonary oxygen toxicity

- 2) Typical supplemental O₂ flow adjustments for infants with nasal appliances are in increments of _____.
 - a) 1 L/min
 - b) 5 L/min
 - c) 2 L/min
 - d) 0.125 L/min

- 3) Which of the following are components of the appropriate apparatus to deliver a consistent FiO₂ = 0.4 to a 3 kg infant?
I. Croupette II. Heated humidifier III. Blender IV. O₂ hood V. Jet nebulizer
 - a) I, II, III
 - b) II, III, IV
 - c) III, IV, V
 - d) I, IV

- 4) Wick humidifiers are preferred over nebulizers for humidification because nebulizers pose a greater risk of?
I. Infection II. Noise III. Hyperthermia
 - a) I, II
 - b) II, III
 - c) I, III
 - d) I, II, III

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- 5) A neonatal patient who is in an Isolette requires a consistent $FiO_2 = 0.30$. Which delivery device is needed?
- a) None is needed
 - b) HAFOE mask
 - c) Nasal cannula
 - d) O_2 hood
- 6) The minimum recommended gas flow to an oxygen hood is _____.
- a) 3 L/min
 - b) 7 L/min
 - c) 5 L/min
 - d) 12 L/min
- 7) In relation to an Isolette, the temperature sensor for a servo controlled humidifier heater should be placed_____:
- a) proximal to the humidifier
 - b) just outside of the Isolette
 - c) proximal to the patient wye connector
 - d) just inside of the Isolette
- 8) For premature infants, the complications of asynchronous breath with mechanical ventilators include:
- I. Increased work of breathing II. Pectus excavatum III. Intraventricular hemorrhage
- a) I, II
 - b) II, III
 - c) I, III
 - d) I, II, III

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- 9) When using a time-cycled ventilator to pressure ventilate a newborn, the PaCO₂ is decreased by _____.
- a) decreasing expiratory time
 - b) decreasing peak inspiratory pressure
 - c) increasing end-expiratory pressure
 - d) decreasing FiO₂
- 10) Which of the following describe an appropriate technique for suctioning newborns?
- a) Preoxygenate with FiO₂ 10-15% higher than ventilator setting
 - b) Alternate turning head from left-to-right between suction passes
 - c) Suction airways a minimum of every two hours
 - d) Instill 2-3 mL saline prior to each suction pass