



## Handtevy Pre-Hospital Pediatric Course

### Pre-Course Quiz

1. You are called to the scene of a 5-year-old in severe respiratory distress. The family reports that he ate a peanut and had sudden onset of distress and lip swelling. You hear wheezing upon assessment. What is this child's diagnosis?
  - a. Acute asthma exacerbation
  - b. Angioedema
  - c. Tachyphylaxis
  - d. Anaphylaxis
  
2. What is the ideal body weight of a 5-year-old?
  - a. 12 kg
  - b. 15 kg
  - c. 17 kg
  - d. 20 kg
  
3. What medication is considered first-line for a child in anaphylaxis?
  - a. Albuterol
  - b. Benadryl®
  - c. Epinephrine
  - d. Solu-Medrol (Methylprednisolone)
  
4. What concentration of Epinephrine (IM route) is appropriate for a child in anaphylaxis?
  - a. 1:100
  - b. 1:1,000
  - c. 1:10,000
  - d. 1:100,000
  
5. What volume of Epinephrine 1:1,000 is appropriate for a 5-year-old child in anaphylaxis?
  - a. 1 mL
  - b. 2 mL
  - c. 0.1 mL
  - d. 0.2 mL

6. How should Epinephrine 1:1,000 be administered for first line anaphylaxis?
  - a. Intravenous (IV)
  - b. Intramuscular (IM)
  - c. Subcutaneous (SQ)
  - d. Intraosseous (IO)
  
7. A nine-year-old has been struck by lightning at a local football field. He is unconscious and the monitor displays ventricular fibrillation when you arrive. What is the average weight of a 9-year-old child?
  - a. 15 kg
  - b. 20 kg
  - c. 25 kg
  - d. 30 kg
  
8. For a 9-year-old in v-fib arrest due to a lightning strike, what is the appropriate initial treatment?
  - a. 3 mL Epinephrine
  - b. Intubate with a 6.0 cuffed endotracheal tube
  - c. Defibrillation @ 2 Joules/kg
  - d. Defibrillation @ 0.5 Joules/kg
  
9. What is the recommended second-line therapy for a 9-year-old child in V-fib arrest secondary to a lightning strike?
  - a. Epinephrine
  - b. Atropine
  - c. Defibrillation
  - d. Synchronized cardioversion
  
10. What volume of Epinephrine 1:10,000 is required for a 9-year-old in v-fib arrest?
  - a. 2 mL
  - b. 3 mL
  - c. 0.2 mL
  - d. 0.3 mL
  
12. What volume of Amiodarone is appropriate for a 9-year-old in v-fib arrest?
  - a. 2 mL
  - b. 3 mL
  - c. 0.3 mL
  - d. 6 mL
  
13. A one-year-old child has had vomiting and diarrhea for 3 days without any oral intake. You arrive and find an unconscious child with a rhythm on the monitor of normal sinus at a rate of 80 beats per minute yet you cannot palpate a brachial or femoral pulse. An airway is established and IV is in place and fluids are being administered. What is this child's PALS algorithm designation?
  - a. Asystole
  - b. Bradycardia
  - c. Pulseless V-Tach (VT)
  - d. Pulseless Electrical Activity (PEA)