Learner Feedback Questions #331

1. The number of patients discharged to home or an extended-care facility after a sudden cardiac arrest (SCA) remains less than:
   a. 5 percent
   b. 10 percent
   c. 20 percent
   d. 30 percent

2. When blood flow to the brain ceases, how long does it take to deplete oxygen stores?
   a. 20 seconds
   b. 30 seconds
   c. 40 seconds
   d. 60 seconds

3. Therapeutic hypothermia (TH) post SCA is endorsed by the 2005 AHA guidelines for which of the following causes?
   a. ventricular standstill
   b. congestive heart failure
   c. ventricular fibrillation
   d. cardiomyopathy

4. Rapid cooling with TH post SCA due to ventricular fibrillation is desired to minimize all of the following physiological effects EXCEPT:
   a. shivering
   b. hypovolemia
   c. glucose abnormalities
   d. coagulopathies

5. The primary complication with rewarming too rapidly from TH is:
   a. metabolic acidosis
   b. rebound hyperthermia
   c. pulmonary embolus
   d. renal failure

6. When rewarming a patient on therapeutic hypothermia, the temperature increase per hour should not exceed:
   a. 0.25°C
   b. 0.50°C
   c. 0.75°C
   d. 1°C

7. Therapeutic hypothermia post SCA in spinal cord patients:
   a. is contraindicated
   b. should be done only with lumbar and sacral injuries
   c. requires consideration of repositioning in reverse Trendelenberg to prevent complications
   d. requires a tracheostomy and percutaneous feeding tube

8. In the future, therapeutic hypothermia may be done by trained personnel outside the hospital if it is initiated within:
   a. 10 minutes
   b. 20 minutes
   c. 1 hour
   d. 2 hours

9. It is expected the 2010 emergency cardiovascular care guidelines from the AHA will emphasize:
   a. improved therapeutic hypothermia procedures
   b. advanced life support with new generation antarrhythmia drugs
   c. prevention and early recognition of impending cardiac arrest
   d. changes in chest compression procedure in Basic Life Support procedures

10. What percentage of U.S. physicians and hospitals are currently using therapeutic hypothermia on patients with SCA?
    a. less than 12 percent
    b. less than 26 percent
    c. more than 42 percent
    d. more than 58 percent

Evaluation

1. I can relate the physiologic result of lack of blood flow to brain tissue during cardiac arrest.
   a. strongly agree
   b. agree
   c. neutral
   d. disagree
   e. strongly disagree

2. I can describe the current recommendations for therapeutic hypothermia post cardiac arrest and outline the process of treatment.
   a. strongly agree
   b. agree
   c. neutral
   d. disagree
   e. strongly disagree

3. I can delineate the clinical indicators to monitor during use of therapeutic hypothermia.
   a. strongly agree
   b. agree
   c. neutral
   d. disagree
   e. strongly disagree

4. The objectives relate to the overall goal of the article.
   a. strongly agree
   b. agree
   c. neutral
   d. disagree
   e. strongly disagree

5. The article is well-written and logically organized, and defines terms adequately.
   a. strongly agree
   b. agree
   c. neutral
   d. disagree
   e. strongly disagree