1. Sickle cell disease is most common in people who are descendants of what areas of the world?
   a. capitalist
   b. Third World
   c. industrialized
   d. malaria-endemic

2. The best treatment to prevent sickle cell complications, including pain events, is:
   a. desferroxamine
   b. hydroxyurea
   c. penicillin VK
   d. folic acid

3. The best screening test that predicts strokes in children with sickle cell disease is:
   a. echocardiogram
   b. MRI
   c. head CT scan
   d. transcranial Doppler ultrasound

4. The best IV fluid for a sickle cell patient with a pain episode is:
   a. lactated Ringer’s solution
   b. normal saline
   c. D5 normal saline
   d. D5W

5. Acute chest syndrome can be prevented with:
   a. incentive spirometry
   b. inhaled albuterol
   c. inhaled steroids
   d. nasal oxygen

6. Pulmonary hypertension in adult sickle cell patients can be detected by:
   a. annual EKGs
   b. chest CT scan
   c. transcranial Doppler ultrasound
   d. echocardiogram

7. Hydroxyurea therapy should be considered in all Hb SS patients at what age?
   a. 9 months
   b. 2 years
   c. 4 years
   d. 10 years

8. Which therapy has cured patients with sickle cell disease?
   a. chronic transfusion
   b. exchange transfusion
   c. bone marrow transplant
   d. hydroxyurea

9. Caregivers can help sickle cell patients in severe pain most by:
   a. offering oral analgesics
   b. believing their stated pain level
   c. offering a heating pad
   d. offering anxiety counseling

10. The current life expectancy of a sickle cell patient is:
    a. 10-20 years
    b. 20-30 years
    c. 30-40 years
    d. more than 40 years

Evaluation

1. I can review the epidemiology and pathophysiology of sickle cell disease.
   a. strongly agree
   b. agree
   c. neutral
   d. disagree
   e. strongly disagree

2. I can discuss the treatments and prevention of common sickle cell complications.
   a. strongly agree
   b. agree
   c. neutral
   d. disagree
   e. strongly disagree

3. I can identify new research directions and resources for caregivers.
   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

Sickle Cell Disease

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10. A B C D

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