

**CONTINUING MEDICAL EDUCATION**

## Questions and Answers

Ова рубрика (Q & A) садржи незнатно измијењене сегменте из наведене литературе или за ову прилику написан текст. Циљ нам је да ови прилози послуже читаоцу као вјежба за унапређење стручног енглеског језика.

[This section includes short segments of texts from the published literature or original texts. The main purpose is to provide questions and answers that readers can use to improve their English.]

Scripta Medica

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### Questions

1. What type of stem cells has been applied in diabetes therapy?
2. How is the population of cancer stem cells (CSCs) recently defined?
3. Cells that produce and secrete antibodies are: I Plasma cells, II T-cells, III B-cells.
  - a. I only
  - b. III only
  - c. I and II
  - d. II and III
  - e. I, II, and III
4. Which of the following may cause elevated white blood cells?
  - a. Viral infection
  - b. Stress
  - c. Medication
  - d. Bacterial infection
  - e. All of the above
5. Which of the following describes a common use of an adjuvant?
  - a. To diminish B-cell clone expansion and antibody synthesis
  - b. To enhance the effect of a vaccine
  - c. To improve antibody deficiencies
  - d. To inhibit translation of genes encoding numerous cytokines
  - e. To treat inflammatory diseases including autoimmune disorders
6. A 2-month-old male infant presents with persistent diarrhea, signs and symptoms of *Pneumocystis carinii* pneumonia, and an oral fungal infection with *Candida al-*

- bicans*. His weight is in the 10<sup>th</sup> percentile. Test results for HIV are negative by polymerase chain reaction. The most likely cause of these findings is
- A. Grossly reduced levels of B-cells
  - B. An X-linked inheritance of HLA genes
  - C. Defective isotype switching
  - D. Defective T-cell function
  - E. Selective IgA deficiency
7. Do you know the story of Viagra (sildenafil citrate)?
  8. A 25-year-old man fell out of a kayak and remained underwater for approximately 5 min before being rescued. He was immediately taken to the hospital and put on a ventilator, but never regained consciousness. The next day he was pronounced dead after an electroencephalogram did not detect brain, and deep tendon reflexes and a respiratory drive were not found. At autopsy his brain was found to be swollen, with side gyri, and narrow sulci. No gross area of acute infarction was identified. A histologic section from the Sommer sector of the hippocampus would most likely reveal which of the following abnormalities?
    - A. Reactive gliosis
    - B. Red neurons
    - C. Tissue necrosis
    - D. Vacuolated oligodendrocytes
    - E. Vascular proliferation
  9. What is the most common treatment for depression?
  10. A 74-year-old male, a nonsmoker, complained of severe nocturnal leg cramps. The patient also complained that similar painful cramping occurred when he walked rapidly or jogged. Because some components of his lipid panel exceeded the 'desirable' range, and as he had a history of myocardial infarction, his family physician prescribed simvastatin (40 mg/day). The patient had taken this medi-

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