CONTINUING MEDICAL EDUCATION EXAMINATION

In Vitro Methods for Diagnosing Nonimmediate Hypersensitivity Reactions to Drugs

Instructions for obtaining 1.3 Continuing Medical Education Credits

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CME Items

1. Which of the following is true of type B adverse reactions to drugs?
   a) They are dose-dependent
   b) They are predictable
   c) They are unpredictable
   d) None of the above are correct

2. Which of the following is true of nonimmediate reactions to drugs?
   a) They are mediated by immunoglobulin E
   b) They are mediated by T cells
   c) Anaphylaxis is a typical clinical picture
   d) None of the above are correct

3. Regarding diagnosis, which answer is false?
   a) Taking a clinical history is particularly difficult
   b) Patch tests are recommended when drugs are available in injectable forms.
   c) Skin-test sensitivity in nonimmediate reactions is quite low
   d) Drug provocation testing is contraindicated in severe reactions such as bullous eruptions or desquamative exanthema

4. Which organ is most frequently involved in nonimmediate reactions?
   a) Kidney
   b) Skin
   c) Lung
   d) None of the above are correct

5. Which is a typical nonimmediate reaction?
   a) Maculopapular exanthema
   b) Acute generalized exanthematous pustulosis
   c) Stevens-Johnson syndrome
   d) All are correct

6. When is the optimal time to perform monitoring studies?
   a) One week after occurrence
   b) One month after occurrence
   c) In the acute phase of the reaction
   d) All of the above are correct

7. Monitoring of nonimmediate reactions can be performed in
   a) Peripheral blood
   b) Skin
   c) Peripheral blood and the affected organ
   d) All of the above are correct

8. Nonimmediate reactions are characterized by a
   a) T_{h1} pattern
   b) T_{h2} pattern
   c) T_{reg} pattern
   d) All of the above are correct

9. Which sentence related to the lymphocyte transformation test (LTT) is incorrect?
   a) The LTT is safe and can evaluate different drugs at the same time
   b) The LTT is able to determine proliferation of different cell subsets
   c) The LTT can be performed on skin biopsy samples
   d) The LTT must include antigen-presenting cells

10. Which sentence related to organ-specific reactions is incorrect?
    a) They are T cell–mediated reactions
    b) One of the most frequently involved organs is the brain
    c) Skin testing is not useful for diagnosing organ-specific reactions
    d) Drug provocation testing is often contraindicated