

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) Treg 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