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CME examination

Identification No. JB0221

February 2021 issue of the *Journal of the American Academy of Dermatology*.

Neale H, Garza-Mayers AC, Tam I, Yu J. *J Am Acad Dermatol* 2021;84:247-55.

Directions for questions 1-3: Choose the single best response.

A 7-year-old boy comes to the dermatologist for a year of intermittent, itchy, blistering redness of his hands. You discover from the patient's mother that he plays tennis, enjoys crafts, plays outdoors, and uses 2 or 3 different soaps and lotions on his hands. After thorough history and physical examination, you suspect allergic contact dermatitis.

1. Which is the most appropriate next step in determining the underlying cause of dermatitis in this patient?
 - a. Order patch test materials to the patient's home with instructions for parents
 - b. Patch testing with diluted allergens to 25% of adult concentration
 - c. Perform in-office patch testing with the Thin-Layer Rapid-Use Epicutaneous (TRUE) test
 - d. Schedule the patient for patch testing with the Pediatric Baseline Series (PBS)
 - e. Schedule the patient for a targeted patch series using only suspected allergens
2. Patch testing is performed, and the patient returns to the clinic 2 days later for removal of the patches. His skin shows erythema over the area where the methylisothiazolinone (MI) patch was placed. Which of the following is the most appropriate next step in treatment?
 - a. Determine the relevance by grading the strength of the reaction
 - b. Interpret the test as an irritant reaction because there are no papules or vesicles
 - c. Repeat the patch test because of indeterminate results
 - d. Interpret the test as a positive result for allergic contact dermatitis to MI
 - e. Instruct the patient return for the final reading in 48 hours
3. On the final reading of the patch test, you diagnose a relevant positive patch test result to MI. What is the most appropriate next step in the treatment of this patient?
 - a. Prescribe a short course of oral corticosteroids and schedule the patient for a 1-year follow-up
 - b. Educate the patient and parent(s) on avoidance of products containing known allergens
 - c. Schedule the patient for follow-up to perform atopy patch testing
 - d. Instruct the patient to purchase products labeled for children or sensitive skin
 - e. Instruct the patient to perform a repeat open application test for products known to contain MI