



CONTACT DERMATITIS AND OCCUPATIONAL DERMATOSES

AN UNUSUAL REACTION TO PATCH-TEST

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Background: The lecture of patch-tests (PT) is sometimes very difficult. This step is not always easy and the clinician can be confronted to unusual reactions.

Observation: A 6-year-old boy, with a history significant for asthma, was referred to our department for an itchy rash evolving for 2 years. Physical examination revealed eczematous skin lesions mainly in flexural regions. The diagnosis of atopic dermatitis with contact dermatitis especially to textile dyes was suspected. Patch testing was performed by the use of Finn Chambers® on Scanpor® tape with BSE and textile dyes series. Reactions were evaluated on 48 hours (H) and 72H according to ICDRG criteria. The results showed sensitization to Disperse blue mix (-/+). A second lecture on H96 showed an explosive and infiltrated purpuric reaction in PT with extension around the test areas. The result of PT was considered relevant since the eviction of colored clothes had resulted in a significant improvement.

Key message: The purpuric PT has been always reported as a manifestation of an irritative reaction. It is classic with cobalt but can be seen with other allergens. The allergic origin of purpuric PT has been reported in particular with textile dyes and chrome. Disperse Blue 124, 106, and 85 are the allergens that give the most purpuric appearance. This particular response to PT must be known in order not to dismiss an allergic reaction. In our case, the allergic origin was taken into account because of negativity of PT at H48. Our case seemed to be original by the explosive and purpuric positivity of the PT to disperse Blue mix.

