



ORAL PRESENTATION

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House dust mites atopy patch test - an important screening tool for detection of house dust mites allergy?

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From EAACI Skin Allergy Meeting 2014
Krakow, Poland. 18-20 September 2014

Background

The frequency of contact allergens is often regionally different and hence it regional identification is important for the prevention of allergic contact dermatitis (ACD).

Objectives

Aim of this study was evaluation of the frequency of particular positive results of patch test (APT).

Methods

A total number of 127 patients from Outpatient Allergic Clinic MED-ALL Medical Centre (age 2-76 years old) with suspected ACD were examined using the most common allergens from the patch tests from the European Standard Series including nickel, palladium, chrome, cobalt, fragrance-mix I and II, balsam of Peru, formaldehyde and propolis and one extra allergen – house dust mite (HDM). The data obtained were subjected to statistical analysis.

Results

The highest positivity of APT was seen against HDM (67%), then nickel (51%), chrome (40%), cobalt (39%), palladium (16%), propolis (16%), fragrance-mix I (13,3%), balsam of Peru (11,6%), fragrance-mix II (9,8%) formaldehyde (4,1%). In the group of patients with positive results with HDM higher percentage is in younger group <18 years old (70%) with almost 68% of cases with strong positive results (++ or +++).

Conclusion

HDM allergens play an important role in determining the clinical severity of allergic dermatitis and should be included in basic patch test series.

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Published: 11 March 2015

doi:10.1186/2045-7022-5-S1-O19

Cite this article as: Jasiewicz-Honkisz et al.: House dust mites atopy patch test - an important screening tool for detection of house dust mites allergy? *Clinical and Translational Allergy* 2015 **5**(Suppl 1):O19.

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