

**I-012****MEDIWISS ALLERGYSCREEN®  
AND IMMEDIATE HYPERSENSITIVITY**

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**INTRODUCTION**

In order to determine hypersensitivity, skin tests are generally employed and the search for specific IgEs is supplemented by mono- or multi-allergen tests. The present research work is a retrospective study of the application of the MEDIWISS® multi-allergen test in allergology in cases where skin tests are negative.

**PATIENTS AND METHODS**

Our study comprised 128 patients (84 women and 44 men), the median age was 26.4, ranging from 6 months to 75 years. These were people who consulted allergology services during the year 2008 and whose skin tests reacted negative to the standard panel (acarus, cat hair, dog hair, cockroaches, feathers, grass, cereals, parietaria, olive and cypress). The serums were tested according to need for either respiratory or food allergens by MEDIWISS®. We also implemented a dosage of the total IgEs (ACCESS BECKMAN®).

**RESULTS**

40% of patients had positive specific IgEs (MEDIWISS® tests). Among these, 63% had a high total percentage of IgEs. The allergens most frequently involved were: acarus (50%), feed and cereal gramineae (32%), cat hair (21%). 26% of patients had IgE reactivity against allergens, which are not included in the skin-test panel, of which the most frequent ones are Eucalyptus (19%), Latex (9%) and Daisy (9%). The high incidences of total IgEs do not have any significant correlation with identified allergenic specificities.

**CONCLUSION**

MEDIWISS AllergyScreen® can help diagnose allergies as a complement to skin tests as reference standard. Our study showed that, on the one hand, this multi-allergen test can turn out positive in the case of negative skin tests or where skin tests are not practicable. On the other hand, it can identify specific IgEs of allergens, which are not included in the skin-test panel. It also has the advantage of including respiratory and food allergens, which match our Mediterranean specificities.