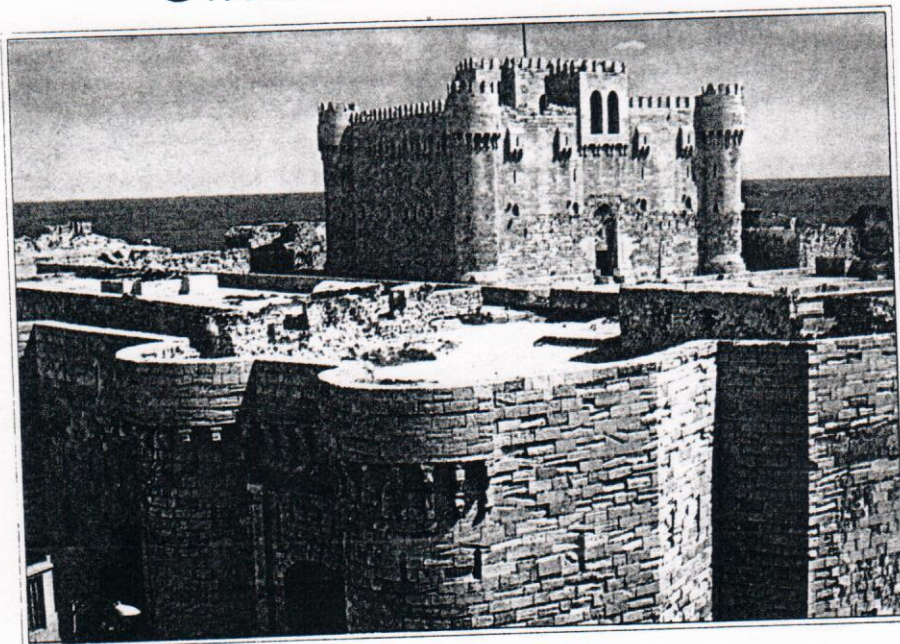


**THE XXII INTERNATIONAL CONGRESS  
OF THE EGYPTIAN SOCIETY OF ALLERGY  
AND CLINICAL IMMUNOLOGY**

*12- 14 March 1997*

*Alexandria - Egypt  
Montazah Sheraton*



President of the congress  
*Prof. M. SAMIR KHEDR*

President of the society  
*Prof. M. EL-MEHAIRY*

**PROGRAMME & ABSTRACTS**



**REGIONAL COMPARISON OF IgE MEDIATED SKIN REACTIVITIES  
BY AEROALLERGENS IN CHILDREN IN SAUDI ARABIA**

**AL-Frayh AR \* Hasnain SM \*\* Gad El-Rab MO \***

**\* and Al-Sedairy ST \*\***

**\* College of Medicine, King Saud University, Riyadh**

**\*\* KingDaisal Specialist Hospital & Research Centre, Riyadh  
Saudi Arabia**

A comparative study of IgE mediated skin reactivities using a battery of 22 aeroallergen extracts was conducted in paediatric allergic patients in several regions of Saudi Arabia. The battery of Skin Prick Test (SPT) allergen included the two common house dust mites, *Dermatophagoides farinae*, and *Dermatophagoides pteronyssinus*, Cockroach and cat allergens, Wool, *Alternaria*, *Atriplex polycarpa*, *Chenopodium album*, *Cynodon dactylon*, *Phoenix dactylifera*, *Prosopis juliflora*, *Olea europaea*, *Pheum pratense*, *Rumex sp* and *Salsola tennifolia*.

Though the results varied from region to region and extract to extract, a number of allergens reacted more positively than others. *Prosopis Juliflora* (mesquite) pollen reacted in 76.9% children in Gassim (agricultural region) compared to 29.07% in Abha (mountainous region). *Cynodon dactylon* (Bermuda grass) reacted in 69.57% patients in Gassim compared to 34.3% in Abha. In contrast 44.68% patients reacted positively to *Cladosporium* extract in Makkah compared to 13.77% in Gassim. An influence of geography and climate was also noted. For example, more pollen sensitive patients were recorded in agricultural region than dry region, while more indoor allergen patients were recorded in dry and mountainous region.

The data suggest regional differences in SPT reactivities indicating use of different allergens profile for different regions.