
ANNALS OF ALLERGY, ASTHMA, & IMMUNOLOGY

January, 2000
Volume 84, Number 1

Editorial

The Spectrum of Anaphylaxis James T Li, MD, PhD

Review Article

Role of Staphylococcal Superantigens in Atopic Dermatitis: from Colonization to Inflammation Mehmet Oktay Taskapan, MD and Prem Kumar, MD

Clinical Allergy-Immunology Rounds

Two Contrasting Cases of Anaphylaxis Seen Simultaneously Robert A Sikora, MD; Kimberly Ricaurte DO; Anne M Ditto MD; and Roy Patterson, MD

Original Articles

Comparison of the Burkard and Allergenco MK-3 Volumetric Collectors

Jay Portnoy, MD; Julie Landuyt, BA; Freddy Pacheco, MS; Susan Flappan, IHIT; Stephen Simon, PhD; and Charles Barnes, PhD

Distribution of Primary Immunodeficiency Diseases Diagnosed in a Pediatric Tertiary Hospital

Felipe C Javier, III, MD; Cleveland M Moore, MD; and Ricardo U Sorensen, MD

Carpet Properties that Affect the Retention of Cat Allergen

Roger D Lewis, PhD, CIH and Patrick N Breyse, PhD, CIH

Cord Blood IgE: Its Determinants and Prediction of Development of Asthma and Other Allergic Disorders at 12 Months

A Kaan, H Dimich-Ward, J Manfreda, A Becker, W Watson, A Ferguson, H Chan, and M Chan-Yeung

Oral Iron Cutaneous Adverse Reaction and Successful Desensitization

Nancy Ortega, MD; Rodolfo Castillo; Carlos Blanco, PhD; Maria Alvarez, PhD; and Teresa Carillo

Comparison of Outdoor Allergenic Particles and Allergen Levels

Charles Barnes, PhD, BS; Keith Schreiber, MS; Freddy Pacheco, MS; Julie Landuyt, BS; Frank Hu, DVM; and Jay Portnoy, MD

A Cost-Benefit Analysis Using a Willingness-to-Pay Questionnaire of Intranasal

Budesonide for Seasonal Allergic Rhinitis Paul K Keith, MD; Jennifer Haddon, MSc; Stephen Birch, DPhil; and the Rhinocort Study Group

Sparfloxacin for the Treatment of Acute Bacterial Maxillary Sinusitis Documented by Sinus Puncture

Norman Garrison, MD; Sheldon Spector, MD; Daniel Buffington, PharmD; Chester Stafford, MD; Kimberly Granito, BS; Hao Zhang, PhD; and George H Talbot, MD

(Complete Table of Contents appears on page A-2)

P138 EPIDEMIOLOGY OF BRONCHIAL ASTHMA IN EIGHT DIFFERENT REGIONS OF SAUDI ARABIA.
A.R. Al-Frayh,*MD; S.M. Hasnain,**PhD, M.O. Gad El Rab,MD*, Z. Shakoor,MD*, and S.T. Al-Sedairy,**PhD.
*College of Medicine, King Saud University, **King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia.

Studies on prevalence of bronchial asthma and other allergic diseases in children in different regions of Saudi Arabia has continued since 1987. As such various regions of the Kingdom including Eastern, Western and Central Regions and encompassing different climate and geographical zones have been studied. The studies were conducted using an internationally designed questionnaire (similar to ISAAC) as well as by diagnostic parameters on cross sectional population of children. The results revealed there were regional variation in the prevalence rate of both diagnosed and highly suspected cases. The definite or diagnosed asthma recorded were as follows: Abha (n=485) 13%, Dammam (n=889) 3.7%, Gizan (n=362) 24.3%, Hofouf (n=923) 14.4%, Hail (n=507) 22.9%, Qassim (n=384) 15.1%, Riyadh (n=988) 10.2% and Jeddah (n=531) 10.4%. Addition of highly suspected case put the figure comparatively much higher. Though the number of children participated also varied from region to region, yet the trend shows that Gizan, a coastal region has the highest prevalence of asthma followed by Hail, an agricultural region. Though the reason(s) of this high prevalence and variation is not the subject of this presentation, nevertheless, these may be attributable to the development and change in life style, etc. in the respective region. We can conclude that the Kingdom is one of the countries that have highest prevalence of bronchial asthma in children.