Asthma and Allergic Diseases in South East Asia - Studies from Singapore

On behalf of the contributing authors of this issue, we would like to thank Professor Wanpen Chaicumpa and members of the Editorial Board of the Asian Pacific Journal of Allergy and Immunology for this singular honor and privilege to have a journal issue dedicated to articles on asthma and allergic diseases from Singapore.

Through this issue, it is our intention to highlight the increasing importance of allergy and its diseases in this region. This is evident by our increasing clinical workload, as well as the need to carry out research to better define the unique features of allergic diseases in this region. It is also our intention to contribute internationally to the growing knowledge in this field. The original papers and reviews in this issue bring to light several poignant issues.

The house dust mite allergen is the most important aeroallergen in Singapore. An important characteristic of the dust mite fauna is that Blomia tropicalis is highly prevalent in this region. As their allergens are distinct from the more ubiquitous Dermatophagoides pteronyssinus, a greater understanding of this tropical mite, B. tropicalis, would be crucial for diagnostic and management strategies of mite allergy in this region. An article in this issue describes the laboratory culture characteristics of B. tropicalis. These cultures have provided invaluable material for the evaluation of B. tropicalis allergy and its allergens. Kuo et al. went on to demonstrate differences in the sensitization profiles to purified allergens of both dust mites between two populations where these mites prevail (Taiwan and Singapore), and these data underscore the importance of recognizing such differences between communities, particularly when allergen immunotherapy is being considered.

With regards to dust mite avoidance measures, the article by Goh et al. suggests that in the tropics, standard household hygiene measures and modalities such as encasing of bedding with allergen barrier covers may not efficiently reduce mite allergens for extended periods. In a more positive light, Lim provides us with an evidence-based approach in developing cost effective asthma management strategies. As we face the challenges of providing cost effective treatment, this review provides us with a practical means of optimizing therapy for our patients. However, even as we look towards newer therapeutic strategies, we are reminded from data by Ng that under-treatment and patient poor management skills are still important issues in our community. Additionally, Ng states that ethnic differences in the morbidity and mortality of the disease have to be understood so that we may optimize care. These measures would help towards containing the already substantial cost of this disease.

Under-recognition is also an important issue that we need to address. In a paper on food allergy, the pattern of food allergens...
causing anaphylaxis in the Singapore population is unusual. The edible bird's nest, a Chinese delicacy, was the most common cause of anaphylaxis in children treated in the hospital. Furthermore, in that study peanut-induced anaphylaxis was nonexistent. In contrast, peanut allergy has become increasingly prevalent in western populations. The study into reasons for this wide disparity in incidence between populations may shed light on the mechanisms and environmental risk factors responsible for food-induced anaphylaxis.

The remaining articles deal with a diverse range of topics. The papers on clinical experiences in atopic and contact dermatitis emphasize the extent of this problem in this region. In particular, Goh and coworkers have done extensive work on contact dermatitis, with recent publications related to occupational contact dermatitis and the paradoxical problem of topical steroid-induced dermatitis. The contributions in the realms of laboratory research, such as those involving tyrosine kinase signaling cascade in asthma, and the genetics of asthma and atopy have provided insight into the interests and expertise in this region.

In closing, we wish once again to express our gratitude to the Editor and his team for this opportunity to publish some of the work from Singapore in this issue. We sincerely hope that this attempt would provide the impetus, however small, towards the greater effort by clinicians and scientists in this region to provide us with a better understanding of this group of common diseases we face in our daily clinical practice.

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**REFERENCES**


