

6-1-2001

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Recommended Citation

Chatchatee, P. (2001) "Pediatrics allergy: Update on Pathophysiology and management," *Chulalongkorn Medical Journal*. Vol. 45: Iss. 6, Article 1.

Available at: <https://digital.car.chula.ac.th/clmjournal/vol45/iss6/1>

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Pediatrics Allergy: Update on Pathophysiology and Management

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The prevalence of allergic disease has been on the rise. It is obvious that the increase in prevalence of atopy and asthma has become a serious public health issue. Substantial progress has been made in the field of pediatric allergy especially the understanding of complex allergic inflammation. The knowledge provides a framework for therapy based on pathophysiologic mechanism rather than on symptoms alone.

The development and prevention of allergic disease have received considerable attention over the past decade. The challenge is to tackle complex interaction between genetic determinants and environmental factors. This will lead to a better understanding and better preventive strategies for allergic diseases. In this session, current concepts on the following topics will be presented : allergic rhinitis treatment, pathophysiology of asthma and choices of anti-inflammatory therapy, the asthma-allergic rhinitis link, and development and prevention of atopy.