

**CLINICAL FEATURES, TOTAL AND SPECIFIC IgE SERUM
CONCENTRATIONS OF PATIENTS WITH ATOPIC DERMATITIS AT
CAN THO HOSPITAL OF DERMATO-VENEREOLOGY**

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ABSTRACT

Background: Atopic dermatitis is a common skin disease in children as well as in adults, with the important feature of being recurrent. Immune disorders (the role of Specific IgE serum) have a relation to the severity of the disease and the risk of allergy in patients. **Objectives:** 1). To describe the clinical features of patients with atopic dermatitis at Can Tho Hospital of Dermato-Venereology in 2021; 2). To determine the total and specific IgE serum concentration in patients with atopic dermatitis at Can Tho Hospital of Dermato-Venereology in 2021. **Materials and methods:** A cross-sectional descriptive study was carried out on 50 patients with atopic dermatitis hospitalized at Can Tho Hospital of Dermato-Venereology. **Results:** The rate of itching and types of eczematous lesions accounted for 100%, skin lesions with typical morphology and age-specific patterns were approximately 92%, chronic or relapsing history held 80%, xerosis rate was up to 82%, early age of onset made up 18%, the rate of increase in total and specific IgE serum level in patients with atopic dermatitis was 54% and 84%, respectively, the mean total IgE serum concentration was 210.01 ± 157.88 IU/mL, the lowest was 6.54 IU/mL and the highest was 741.23 IU/mL. *D. pteronyssinus* and *D. farina* accounted for the highest proportion of respiratory allergens (46%), cocoa beans accounted for the highest proportion of food allergens (28%). **Conclusions:** Atopic dermatitis in adult patients associated with pruritus, *D. pteronyssinus* and *D. farina* in respiratory allergens and cocoa beans in food allergens was the most common. Total and specific serum IgE concentrations are often elevated in patients with atopic dermatitis.

Keywords: Atopic dermatitis, Total IgE serum concentration, Specific IgE serum concentration.