

Special Issue

Food Allergy: Epidemiology, Pathogenesis, Diagnosis, and Treatment

Message from the Guest Editors

At present, the prevalence of food allergies represents a major global health problem, affecting approximately 8% of children and 3% of adults, with a dramatically increasing number of hospitalizations due to food-related allergic reactions and food-induced anaphylaxis.

The interaction of genetic factors; epigenetic mechanisms; environmental changes; and innate immune. The cornerstones of the diagnosis are: clinical history, diagnostic testing, elimination diets, and oral food challenge.

The management of food allergies includes both short-term interventions for acute reactions and long-term strategies to prevent life-threatening events. The latter goal is achieved mainly through an elimination diet, patient/caregiver education, and pharmacological and non-pharmacological strategies to improve the patient's quality of life. Growing attention is also being given to potential immunomodulatory therapeutic approaches, including immunotherapy, biologics, and novel vaccines. With this global approach in mind, this Special Issue seeks proposals that focus on epidemiology, pathogenetic mechanisms, diagnostic tools, and validated and emerging therapeutic strategies.

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