



IgE-Mediated Food Allergy in Children: Epidemiology, Pathogenesis, Diagnosis, Prevention, and Management

Guest Editors:

Dr. Francesca Mori

Allergy Unit, Department of
Pediatrics, Anna Meyer Children's
University Hospital, 50139
Florence, Italy

Dr. Simona Barni

Allergy Unit, Department of
Pediatrics, Anna Meyer Children's
University Hospital, 50139
Florence, Italy

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Message from the Guest Editors

Dear Colleagues,

IgE-mediated food allergy is defined as a hypersensitivity reaction to ingested food with allergic symptoms ranging from urticaria to anaphylaxis.

The mechanism that leads to food allergies is the breaking of immunologic and clinical tolerance to food allergens. The diagnosis of IgE-mediated food allergy is based on the combined use of a detailed medical history, the research of specific IgE in vivo and in vitro, elimination diet, and oral food challenge.

The only treatment that is currently available for the treatment of food allergy is a strict elimination diet. This type of attitude, which we could define as “passive”, does not remove the risk of accidental reactions due to the involuntary intake of the culprit food.

For food allergy management, an “active” approach such as specific allergen immunotherapy is urgently needed, which is currently under development and is used only for research purposes.

This Special Issue aims to provide an updated review of IgE-mediated food allergy in children in terms of epidemiology, pathogenesis, prevention, diagnosis, and management.





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Medicina Editorial Office
MDPI, Grosspeteranlage 5
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