

Tentative Outline

Special/Thematic Issue for the journal “Current Pediatric Reviews”

Title of the Thematic Issue: Pediatric Immunology and Allergy: Clinical Aspects

Name of Section Editor: Dr. Roberto Bernardini

Scope of the Thematic Issue:

The 7 articles of this “Thematic Issue” deal with clinical aspects of considerable interest in the allergy-immunological field. One paper address current knowledge about epidemiology, physiopathology, clinic, diagnosis and management of acute bronchiolitis, with particular emphasis on updated evidence and future perspectives in terms of treatment and prevention and its relationship to asthma (“Acute Bronchiolitis: the less, the better?”). Other review (“Treatment of rhinitis in clinical practice”) aims to discuss and compare the old and new therapeutic strategies for allergic rhinitis therapy in children. The third article comprehensive address all aspects relating to “Hyper IgE Syndromes”. Other review aims to focus on several possible factors involved in influencing respiratory tract infections (RTIs) and to propose a unifying hypothesis on pathophysiological mechanisms of unexplained recurrent RTIs in children (“Why do some children get sick with recurrent respiratory infections?”). “Biological drugs for the treatment of uncontrolled severe asthma in children” is another important paper that analyze the evidence on biological therapy for children and adolescents with severe asthma. “Fish allergy and related conditions in children: a review” aims to summarize the characteristics of the main immunological and non-immunological fish reactions, analyzing the epidemiology, clinical manifestations, diagnosis and therapy, with a particular focus on clinical management. The last article (“Biological therapies for pediatric atopic dermatitis) aims to summarize the most recent scientific evidence on available and future biological therapies for the treatment of pediatric AD, emphasizing the molecular mechanisms underlying their action.

Keywords: Asthma; COVID-19; Rhinitis; Allergy; Children; Fish; IgE; Genetics; Atopic Dermatitis; Biological Drugs

Sub-topics:

- Pediatric aspects such as recurrent respiratory infections and Hyper-IgE syndromes with immunological implications of great scientific and practical interest are treated.
- Allergological aspects such as allergic rhinitis, uncontrolled asthma therapy and atopic dermatitis therapy, fish allergies as well as the management of bronchiolitis and its relationship with asthma

are also treated, which have a significant impact on healthcare activities and not only in the pediatric field.

Schedule:

- Thematic issue submission deadline: **1st July, 2023**

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