

Special Issue

Drug Hypersensitivity Reactions and Pseudoallergy: A Moving Frontline in Allergy Research

Message from the Guest Editor

Pseudo-allergy is an acute allergy syndrome manifesting itself in the same clinical symptoms as allergy, but the reactions are not IgE-mediated. In addition to the nonimmune-mediated release of mediators from mast cells and/or basophils, a frequent cause of pseudo-allergy is IgG and IgM binding to the allergen with subsequent complement activation and stimulation of allergy-mediating immune cells via anaphylatoxin and other surface receptors. At present, the standard care against pseudo-allergy, whose worst manifestation is life-threatening pseudo-anaphylaxis, is premedication of patients with antihistamines, steroids, and non-steroidal anti-inflammatory agents. However, this therapy is frequently ineffective, presenting a clinical need for better prevention and/or treatment protocols. A recent development in this field is that the increased occurrence of allergic reactions to some COVID-19 vaccines actually represent a pseudo-allergy. This volume provides a collections of original research papers and reviews on these poorly understood acute reactions.

Guest Editor

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