Special Issue

Cellular and Molecular Mechanisms of Anaphylaxis: Lessons from Animal Models

Message from the Guest Editors

The pathophysiological mechanisms of anaphylaxis are still under investigation. Despite intensive research produced by different groups at the international level, these mechanisms are still poorly understood. The role of pre-formed and neo-formed mediators in the onset of anaphylactic shock has been well explored, but their involvement at the cellular level remains to be clearly defined. In this Special Issue, we propose the presentation of our promising results on the inhibition of enzymes producing H2S which restores blood pressure. The mechanisms of hypovolemia linked to plasma transudation by disruption of cell junctions will also be discussed. Finally, the genomic mechanisms of the production of many mediators will be discussed in a systematic review of the literature.

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