

AIAA-MC Hot topic issue proposal

Anaphylaxis: new prospects in management and treatment

Aims & Scope:

Anaphylaxis was described over 100 years ago. It is one of the most alarming disorders encountered in Medicine. Despite this fact, there is no universal agreement in diagnostic criteria or definition. Probably due to this lack of agreement, Anaphylaxis is underdiagnosed and consequently mistreated, particularly in the emergency room, where the most severe cases are attended.

Epinephrine is the essential antianaphylactic drug. However, administration way and even the recommended doses remain controversial. The role of antihistamines and corticosteroids in the acute treatment of anaphylaxis is still unclear. In the last years new alternatives, such as anti-IgE monoclonal antibody omalizumab, have been proposed not only as a symptomatic treatment, but in order to prevent new events. Also old drugs like methylene blue have proved to be useful in the management of the refractory hypotension in the anaphylactic patient. New approaches to the treatment of Anaphylaxis are conditioned by its severity, which makes ethically and technically difficult to design randomized and controlled studies.

In order to improve our care of the patients of anaphylaxis, not only in the acute episode, but also after it has been overcome, a better understanding of the pathophysiology and epidemiology of anaphylaxis is necessary.

Proposed manuscript titles

- Epidemiology of anaphylaxis
- Target organs of anaphylaxis.
- Animal models in anaphylaxis
- The role of the mast cell in the development of anaphylaxis.
- Mast activation syndromes.
- Acute treatment of anaphylaxis.
- Evidence for the use of Epinephrine in anaphylaxis.
- New treatments of anaphylaxis.
- Anaphylaxis: management of the survivors.