

## Macrophagic Activation Syndrome: A case report and literature review

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### **Abstract**

A 73 years old man was admitted in a private surgical clinic for total hip prosthesis. After the surgical act, although there were no signs of infection, the patient received a large spectrum antibiotherapy and was, then, allowed to leave the clinic. He was hospitalized again 27 days latter; his general state had very badly deteriorated; pancytopenia spreads readily and the myelogram allowed the diagnosis of Macrophagic Activation Syndrome (MAS). Two days after his admission, the patient deceased.

Infection is the major cause of subsequent MAS. In the case of our patient, the administered antibiotherapy may be had protected him against bacterial infections but was unsuccessful against viral, fungic or parasitic causes, which are aggravated in the case of an aged patient.

In this paper, we also gave results of the literature concerning clinical and biological features, as well as physiopathology and treatment