Reviewer's report

Title: Dynamic changes in serum soluble triggering receptor expressed on myeloid cells-1 can assess severity of sepsis and predict prognosis: a prospective study

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Reviewer: Sebastien Gibot

Reviewer's report:

This manuscript describes the evolution of serum sTREM-1 in relation with outcome in a series of septic patients. Although concise this paper could be improved in addressing the following:

1) Did some patients with sepsis go developing severe sepsis or septic shock? If so, when and how sTREM1 behave?

2) Did patients develop nosocomial infections, and once again when and what about sTREM in this case

3) It would be interesting to determine a cut-off for sTREM1 in discriminating between sepsis and severe sepsis

4) Regarding the evolution, it is also disappointing not to see an attempt to determine whether deltas (for ex Day3-Day1…) of sTREM-1 could predict outcome

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests