Reviewer's report

Title: Causes and consequences of coagulation activation in sepsis: an evolutionary medicine perspective

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Reviewer: Martin Bruene

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Review of “Causes and consequences of coagulation activation in sepsis: an evolutionary medicine perspective” subm. to BMC Medicine

The paper deals with a highly interesting topic, that is, the evolutionary link of intravascular coagulation and immune response in sepsis. The authors argue that coagulation may represent an adaptive response to invading pathogens and may help defend the organism against a pan-infection.

The paper is nicely written and comprehensive. In particular, the link between coagulation and immune defence in well put. The evidence in favour of the authors' hypothesis is clearly presented.

Overall, the paper would make a nice contribution to the growing field of evolutionary medicine. I would strongly recommend, however, inviting an expert immunologist to review the manuscript.

Quality of written English: Acceptable

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