Reviewer’s report

Title: Acute dengue virus 2 infection in Gabonese patients is associated with an early innate immune response, including strong interferon alpha production

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Reviewer: Beatriz Sierra

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Overall comment:
The paper by Becquart et al analyses the immune response to dengue virus in African patients, who had suffer their first dengue infection. They report the induction of high levels IL-6 and IL-17, MIF, RANTES, IP-10 and MCP-1 and growth factors G-CSF, GM-CSF and VEGF-A, as well as high levels of IFN # for the first time in adult DF patients. They conclude that acute DENV-2 infection in African patients elicits a strong innate response

The authors deserve credit for addressing a highly relevant and clinically important disease. The title and abstract express what has been found and the writing is suitable.

The questions posed by the authors are well defined. The methods are appropriate and well described. The data are sound, for exploring for the first time the immune response to dengue in African patients, an unexplored field until present, that merit to be investigated.

The manuscript has been substantially revised from previous submission and the overall quality of the paper has been improved. For this reviewer this manuscript reaches the quality for publication in the BMC Infectious Diseases

Level of interest: An article of importance in its field

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