Reviewer's report

Title: Elevated Inflammatory Cytokines In Aqueous Cytokine Profile in HIV-1 Infected Patients With Cataracts in Uganda

Version: 0 Date: 17 Sep 2017

Reviewer: Ester carreno-salas

Reviewer's report:

An interesting study, however it has important limitations that need to be fully discussed.

- It should be discussed in the limitations of the study the fact that the controls were older than the HIV-positive patients and therefore the differences founded could be secondary to the age difference and not the HIV status.

- Not all the molecules assessed are cytokines. Preferably authors should use cytokines/chemokines.

- As per inclusion/exclusion criteria the presence of active or past uveitis was allowed. That could be a very important confounder.

- Lower value detected for the technique should be provided.

- What was the percentage of detection of each molecule for each group. Any significant difference in the percentage of detection?.

- When the cytokine/chemokine was not deleted in a sample, was that sample not taken into consideration for the statistical analysis of that molecule or 0 or the lower limit of detection were used instead?

- Bomferroni correction or other statistical correction should be done to correct for the multiple comparisons and rewrite the discussion according to the new results.

- The affirmation that IL-6 or IL-8 are not detected in normal vitreous should be supported by a reference. There are other stamens in the discussion that are not supported by a reference.
- The statistical analysis done in each case should be clarified. Was the normality of the variable assessed before deciding to use a parametric test?

- Some of the results discussed in the discussion are not provided in the results section, such as the level of detection.

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

No

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

No

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

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Please indicate the quality of language in the manuscript:

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