Reviewer’s report

Title: C-reactive protein and interleukin-6 levels among human immunodeficiency virus-infected patients with dysglycemia in Tanzania

Version: 0 Date: 08 Apr 2019

Reviewer: Tatsuya Kondo

Reviewer's report:

Review

C-reactive protein and interleukin-6 levels among human immunodeficiency virus-infected patients with dysglycemia in Tanzania

Reviewer Comments

The authors conducted a cross-sectional study to investigate the association between dysglycemia and inflammatory cytokines such as CRP or IL-6 in people living with HIV (PLHIV).

The authors have found that high CRP levels and taking medication with stavudine were both associated with dysglycemia in PLHIV.

The findings presented here could be interesting, but the discussion should be added about the mechanisms of dysglycemia explained by high CRP and stavudine treatment.

Comments

1. The authors need to add the discussion about the mechanisms how the high CRP contribute to glycemic status in PLHIV having undetectable viral load.
2. It is also necessary to discuss about the mechanisms how stavudine deteriorate glycemia in the participants.
3. The study number granted by the Ethics Committee should be presented.
4. The explanation of results in Table. 3 should be added.
5. In abstract, ART should be spell out at the first appearance.
6. T2DM should be type 2 diabetes. Check line 13-14 and Table 2.
7. Parent type 2 diabetes, not type II.
8. ART should be anti-retroviral. See line 6.
9. IL-6 or IL6? Please unify.

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

Yes

**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.

Yes

**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

**Quality of written English**
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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