Reviewer’s report

Title: Sero-epidemiology study of leptospirosis in febrile patients from Terai region of Nepal

Version: 0 Date: 02 Aug 2017

Reviewer: Shuk Ying Chan

Reviewer’s report:

Thank you for your effort to describe this neglected tropical disease.

I think some of the limitations were pointed out by other reviewers and some are addressed by the authors except: You have mentioned “The actual leptospirosis prevalence might be lower in yearly analysis” in the discussion but I cannot find.

I would like to add a few more comments:

1) Apart from complete blood picture, what other routine laboratory checks were done? Are there any difference of the laboratory findings e.g. platelet counts, WCC, liver enzyme and bilirubin levels (as patients had jaundice on presentation according to the paper) between the seropositive group and sero-negative group?

2) How many samples were collected and how many samples were excluded from the study due to hemolysis / lipaemia and microbial growth?

3) I would suggest to list the comparison of clinical symptom, laboratory findings and demographics (sex and age in one table instead of two) between seropositive and seronegative groups and compare whether there were any significant difference.

4) There were still typos in the paper:

- background: Leptospirosis is an under diagnosed diseases -> Leptospirosis is an under diagnosed disease

- serological study: please clarify "a sample was considered "Negative if Panbio units calculated for it is less than >9IU”, I suppose should be less than 9IU instead?

There were a few more typos besides the examples listed above, it would be good to double check once again.

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.

Unable to assess

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

Unable to assess

**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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