Reviewer’s report

Title: Treatment outcomes and risk factors of extra-pulmonary tuberculosis in patients with comorbidities

Version: 2 Date: 07 Mar 2019

Reviewer: Reviewer 2

Reviewer's report:

"REVISION ASSESSMENT FROM THE ACADEMIC PEER REVIEWER:

Has the author addressed your concerns sufficiently for you to now recommend the work as a technically sound contribution? No

Reviewer comments: The authors provide a comprehensive description and analysis of the group of extra-pulmonary tuberculosis patients and predictors for the success of their treatment. However, the first paragraph in the Results section (Proportion, socio-demographic and baseline clinical characteristics) lacks an objective control group, which results in misleading interpretations. As an example, the authors conclude that ""Malays seemed to be highly affected with a number of 389 (31.8%) cases..."". However, if the proportion of Malays in the general population in the study area is for example 50%, then Malays are in fact less affected than other population groups. The same applies to statements about urban/rural residents, age, and gender. The authors should include the basic socio-demographic data for a comparator group (preferably the general population in the study area) and use this to test statistical significance. Alternatively, the authors should abstain from making conclusions about the socio-demographic characteristics in the first paragraph of the Results section.

Tables 1 and 2 lack columns with Totals, which makes validation of the results cumbersome. This should also be addressed.

The rest of the manuscript is interesting and of high quality, and with the above minor corrections the manuscript would be suitable for publication."

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.
No

**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.

Not relevant to this manuscript

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

Acceptable

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