Reviewer's report

Title: Diagnostic Accuracy of Quantitative PCR (Xpert MTB/RIF) for Tuberculous Pericarditis Compared to Adenosine Deaminase and Unstimulated Interferon-gamma in a High Burden Setting: A Prospective Study

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Reviewer: Padmapriya Banada

Reviewer's report:

Thanks to the authors for answers to my queries. This is an interesting manuscript and can have a good impact on the study of extrapulmonary TB diagnosis.

Specific comments:
1. I think Fig. 2 is not important as an LOD graph in the current manuscript, since it can be mistakenly used as a reference by future studies. Since the authors report it as a proof-of-principle data, because of its low number of replicates, it is best put as supplemental information. The statement of no major difference in LOD between PF and sputum can still be supported without this figure in the main manuscript.

2. I could not find much detail about the InterGam Ultrasensitive Rapid Immuno-suspension assay by Antrum Biotech anywhere on web. It would be essential that we understand the principle of this kit for scientific advancement. Authors can provide more details if they have and if this is not currently available commercially, please provide the way researchers can procure it. Without that information, it would be difficult for anyone else to use or replicate this data.

3. There is a similar publication in BMC Pulmonary Medicine 2014, 14:58 doi:10.1186/1471-2466-14-58 by Meldau, R et al., with similar conclusions as this study. Can you highlight the novelty of this manuscript over the published one?

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests