Reviewer’s report

Title: Comparing interferon-gamma release assays with tuberculin skin test for identifying latent tuberculosis infection that progresses to active tuberculosis: systematic review and meta-analysis

Version: 0 Date: 27 Sep 2016

Reviewer: Albert Nienhaus

Reviewer's report:

The authors conducted a systematic review on the predictive value of IGRAs in children, immunocompromised and migrants. The review is well performed, the presentation of the results is concise and the conclusions are well grounded.

I have only few minor comments

1. Abstract: IGRA was not significant compared to TST. I think what the authors want to express is that the positive predictive values of IGRA and TST did not differ significantly. Please reconsider the sentence. Throughout the manuscript this is repeated. Please check.

2. Background, first sentence: prophylactic treatment, should it be preventive treatment? Prophylactic treatment is treatment of e.g. children after contact. Preventive treatment is treatment after a positive immune test.

3. page 10 line 18: delete only: children of whom 12 progressed

4. page 11 line 15: Space between 51(0%).

4. page 11 line 51: The last sentence of the paragraph reads like discussion. Please consider to move the sentence

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:

Acceptable

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