Reviewer's report

Title: A Bayesian Decision Support Sequential Model for Severity of Illness Predictors and Intensive Care Admissions in Pneumonia
Short/ Running Title: Bayesian Pneumonia Decision

Version: 0 Date: 15 Jul 2019

Reviewer: Zhongheng Zhang

Reviewer's report:

This is an interesting article exploring the diagnostic tests for pneumonia. the results of the study is of clinical relevance. However, the current manuscript is poorly written, especially for not following the PRISMA-DTA Statement. I have several comments for the authors:

1. after reading the abstract, I have no idea on the reference standard of the diagnostic study. since it is a meta-analysis, the results section should report the number of studies included and in accordance with the reporting guideline (http://www.equator-network.org/reporting-guidelines/prisma-dta/); the full text manuscript was not written according to this guideline. Strongly suggest to adhere to this reporting guideline before considering for publication.

2. Many important aspects of a meta-analysis of diagnostic test is missing due to the fact that the authors did not follow the reporting guideline. for example, the risk of bias for each study was not assessed.

3. At least, the included component trials should be reported for baseline characteristics.

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.

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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