Reviewer’s report

Title: A systematic review of the economic impact of rapid diagnostic tests for dengue

Version: 0 Date: 28 Jul 2017

Reviewer: Yen Wei Lim

Reviewer's report:

Major: This is an interesting manuscript where it addresses the current issue concerning the high endemic viral infection - dengue. The authors displayed good objective to study on the systematic review of the rapid diagnostic tests (RDT) for dengue fever from an economic aspect. However, upon reading through the manuscript, there are some contradicting points where the authors mentioned that no studies were found on the cost-effectiveness of RDTs but summarised the incremental costs and outcomes (cost-effectiveness) results in Table 2B. Hence, there is a need for the authors to mention clearly from what economic aspect the authors would like to look into, whether from the point of view of cost-effectiveness of RDT or from the perspective of financial impact of RDT in reducing the disease burden of dengue (possibly cost-saving from early dengue detection). Minor:- Abstract: Looks fine.- Introduction: Looks fine.- Methods: Please include the exclusion criteria as well for the search methodology.- Results: Please elaborate more on the articles reviewed (Hang et al., Phuong et al. & Blacksell et al.) and try to link them to the discussion part.- Discussion: Suggest to restructure the flow by discussing the cost of disease burden of dengue first and then continued with how the early detection test may reduce the dengue burden.- Conclusion: Looks fine.- Reference: Please add the date access for web-source reference.- Sentence 161: the word "combo" looks informal.- Sentence 161: please spell out the abbreviation of "NS1" in the first appearance of manuscript.- Sentence 204: Duplication of "that".- Sentence 205 - 207: Rephrase the sentence.- Sentence 295: Please add a full-stop (".") after "regions".

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.

Unable to assess

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.

Not relevant to this manuscript

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

Needs some language corrections before being published

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