Reviewer’s report

Title: Prevalence and laboratory analysis of malaria and dengue co-infection: A systematic review and meta-analysis

Version: 0 Date: 02 Jun 2019

Reviewer: Nasir Salam

Reviewer's report:

The authors have tried to analysed the laboratory finding of malaria and dengue confection by doing a systematic review and meta analysis. This information is much required to decide the course of action if there is confection with both the pathogens especially in resource poor settings and where there is an epidemiological overlap between the two pathogens.

However excluding the full text of nearly 577 studies makes it a challenging prospect to analyse thoroughly the efficacy of such meta analysis. Systematic reviews and meta analysis are dependent on availability of full text of all relevant articles however excluding half of those potentially relevant studies might not give a full picture of such analysis.

Another problem is in the methodology section where search methods are described after eligibility criteria. it should be search strategy followed by eligibility criteria followed by data extraction followed by data synthesis

I recommend that authors go through the search strategy once more and try to find more relevant articles to make their study more comprehensive.

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.

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.

I recommend additional statistical review

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

Needs some language corrections before being published

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I do not have any competing interest

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal