Reviewer’s report

Title: Asthma and atopy prevalence are not reduced among former tuberculosis patients compared with controls in Lima, Peru

Version: 0 Date: 07 Oct 2018

Reviewer: Reviewer 2

Reviewer's report:

PEER REVIEWER COMMENTS: To view the full report from the academic peer reviewer, please see the attached file.

REVIEWER COMMENTS FROM REPORT: GENERAL COMMENTS

What is your overall impression of the study?

This is a well-written manuscript titled: "asthma and atopy prevalence are not reduced among former tuberculosis patients compared with controls in Lima, Peru" which adds to the literature about this poorly-studied area of research.

What the authors' have done well?

The Background, Methods, Results and Discussion Sections of the paper are well-written and coherent. The authors reviewed the literature well and provided adequate justification for the study. The Methods section was well-written. The authors provided an adequate description of the design, study area, study population and data collection method. Also, the method of data analysis described is coherent and clear. The Results Section provided an adequate description of the study findings and the Figure/Tables were informative. The Discussion Section was also well-written. The authors compared their findings with other studies in the field, identified the strengths and weaknesses of their study and provided a suitable conclusion.

In what ways does it not meet best practice?

Although the background section was clear, the authors did not provide a clear study objective. There are also a few issues with the references and referencing style. I have suggested some minor revisions that will assist the authors in improving their manuscript.

REQUESTED REVISIONS:

ABSTRACT
Comment: This is well-written and straight to the point.
INTRODUCTION

"Whilst tuberculosis remains the biggest infectious disease killer on the planet, being responsible for an estimated 1.8 million deaths in 2015...."

Comment: Please, use mortality figures based on the 2018 Global TB Report

Study objective: "Hence, we have sought to establish whether individuals with a confirmed history of tuberculosis have a reduced risk of atopy and of atopic diseases compared with people without a history of tuberculosis."

Comment: Although the study objective was implied in the last paragraph of the Introduction section, I feel it should be more clearly stated as the last sentence of the paragraph

RESULTS

Table 1:
Comment: Please, include the P-values comparing the two groups in Table 1.

References and referencing

Comment 1: Please, use a consistent referencing style. The author used up to there different styles to reference the manuscript

Comment 2: Please, provide full reference for ref. 40

ADDITIONAL REQUESTS/SUGGESTIONS:

As stated in the commentary above
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.

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

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?

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