

## ANSWERING REVIEWERS

8 October 2017



Dear Editor,

Please find enclosed the edited manuscript in Word format “*Manuscript-Track-Changes-Sep2017*”. The final clean copy is labeled “*Manuscript-clean-version-Sep2017*”.

**Title:** Is Forced Oscillation Technique the next respiratory function test of choice in childhood asthma

**Authors:** Afaf Alblooshi, Alia Alkalbani, Ghaya Albadi, Hassib Narchi, Graham Hall

**Name of Journal:** *World Journal of Methodology*

**ESPS Manuscript NO:** (33729)

The manuscript has been improved according to the suggestions of reviewers:

1. The abstract should contain some information regarding the contribution of FOT to the diagnosis and follow up of asthma in preschool children.

*Response: The abstract has been edited and this point has been clarified, see the manuscript in both documents “Manuscript-Track-Changes-Sep2017” and the final clean copy “Manuscript-clean-version-Sep2017”.*

2. In the introduction section the aim of this review should be clearly stated. The summarized structure of the paper could be omitted.

*Response: noted and the summary has been moved to the end as requested, see the manuscript in both documents “Manuscript-Track-Changes-Sep2017” and the final clean copy “Manuscript-clean-version-Sep2017”.*

3. As the title indicates, the subject of the paper is the use of FOT for the diagnosis of childhood asthma. Therefore, the technical and the practical aspects of FOT should not be described at length.

*Response: we believe that the technical and practical aspect is important for people in the field so they can understand the FOT, Because FOT is relatively new technique which is not understood by most of the people in the field of pediatrics.*

4. In the tables, the name of the first author should be followed by the year of publication.

*Response: Year of publication has been added to table 2 and 3, see the manuscript in both documents "Manuscript-Track-Changes-Sep2017" and the final clean copy "Manuscript-clean-version-Sep2017".*

5. The criteria, which were used for the selection of the studies presented in table 3, should be described in the text.

*Response: This comment has been addressed, see the manuscript in both documents "Manuscript-Track-Changes-Sep2017" and the final clean copy "Manuscript-clean-version-Sep2017".*

6. Most of the articles that are cited were published before 2010. Some more recent articles should also be discussed such as: Hagiwara S et al. Reference values for Japanese children's respiratory resistance using the LMS method. Allergol Int. 2014 Choi SH et al. Clinical Implications of Oscillatory Lung Function during Methacholine Bronchoprovocation Testing of Preschool Children. Biomed Res Int. 2017 Yoon JW et al. Useful marker of oscillatory lung function in methacholine challenge test-comparison of reactance and resistance with dose-response slope. Pediatr Pulmonol. 2014 Jee HM et al. Useful parameters of bronchial hyperresponsiveness measured with an impulse oscillation technique in preschool children. J Asthma. 2010 Schulze J et al. Methacholine challenge in young children as evaluated by spirometry and impulse oscillometry. Respir Med. 2012 Bailly C Et al. Evaluation of impulse oscillometry during bronchial challenge testing in children. Pediatr Pulmonol. 2011 Takami S Et al. Relationship between bronchial hyperresponsiveness and lung function in children age 5 and 6 with and without asthma. Respirology. 2013 Kim HY et al. Resistance and reactance in oscillation lung function reflect basal lung function and bronchial hyperresponsiveness respectively. Respirology. 2009

*Response: This point has been addresses and the above references has been added to the manuscript in both documents "Manuscript-Track-Changes-Sep2017" and the final clean copy "Manuscript-clean-version-Sep2017"*

7. The child's eyes in the photos should be covered.

*Response: The photo in the figure was adopted from a book chapter (Davis SD, Eber E, Koumbourlis AC. Diagnostic Tests in Pediatric Pulmonology: Applications and Interpretation Sharon I.S. Rounds: Springer; 2014. p. 161-2.).*

*This photo is for one of manuscripts authors (Afaf Alblooshi) and the child's parents consented for the complete photo to appear in the cited reference. Therefore, we do not find it appropriate to make changes to the photo which was adopted from another cited source.*

Thank you again for publishing our manuscript in the *World Journal of Methodology*

Sincerely yours,



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