Author’s response to reviews

Title: A prospective observational study testing liquid crystal phase change type thermometers placed on skin against oesophageal/pharyngeal placed thermometers in participants undergoing general anaesthesia

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Point-by-point response letter

09/09/2019

To: Anna Melidoni, BMC Anesthesiology.

Thank you for your response and I wish to thank the reviewers for their time and input. Please find the requested point-by-point response below:

Reviewer 1:

1) Abstract: The FAW did influence the reading of the thermometer, but regardless of with or without a FAW, none of the results fell within the pre-determined limits of agreement. I have clarified the ambiguity in the abstract.

2) Abstract: The FAW did influence the reading of the thermometer, but none of the results fell within the pre-determined limits of agreement. I have clarified the ambiguity in the abstract.

3) Pg5 Para3:
Description has been changed to “behind the ear (over major vessels to the brain)” throughout the text.
4) Pg5 Para 4:

This has been removed from the methods section.

5) Pg 5, last sentence has been deleted

6) Pg 6, sentence deleted as suggested.

7) Results: Full key and labeling had been removed as per previous instructions from editor and diagrams were uploaded separately.

Diagrams are now labeled uniformly and with participant numbers and data points.

8) Fig3a and Fig3b are used to illustrate that both the with FAW and without FAW results. Although the FAW does impact the readings, both sets of reading did not fall within the limits of agreement.

9) Pg 18, Para2 has been removed.

10) Discussion, Pg 20, Para 2: Wording has been changed to clarify misleading sentences.

11) Discussion, Pg 21, last paragraph: Wording has been changed to clarify misleading paragraph.

12) Conclusion: Sentence deleted as suggested.

Reviewer 2:

13) The editor has requested separate point-by-point response letter to be uploaded with revised manuscript. I have also included changes in the text box.

14) Discussion: references added to discussion as requested. (One new reference added and other existing references used)

15) Pg25, Para4: Ambiguity has been clarified by re-wording of the paragraph.

Many thanks,

Gary Simpson.