Reviewer’s report

Title: Validation of computerized wheeze detection during the first year of life and definition of optimal cut-off values

Version: 3 Date: 25 August 2014

Reviewer: Heather EH Elphick

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Major revisions

1. Please explain the technique for the LFT during which the recordings took place. Was this during a forced manoeuvre? If so, could this have affected the frequency of wheeze?

2. Please could the authors clarify the clinical relevance of the cut-off value.

- Minor Revisions

3. References 19 and 31 are the same

4. Were any other adventitious sounds found, eg rhonchi? Were these eliminated or were all adventitious sounds included?

5. Table 1 – there are no data included in the postmenstrual age box

- Discretionary Revisions

6. The first paragraph of the results section as some repetition with the first paragraph of the methods section

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

'I declare that I have no competing interests'