Reviewer's report

Title: Validation of a portable nitric oxide analyser for screening in primary ciliary dyskinesia

Version: 6 Date: 2 December 2013

Reviewer: Sharon Dell

Reviewer's report:

The paper is significantly improved.

Minor revisions:
1. The figures do not match the legends. I think they are numbered incorrectly.
2. Figures one to three should include the sample size of each group under the group label
3. Figure 4a and b need unit of measurement (nL/min?)
4. The authors response to the first reviewer cites the very relevant Mateos-Corral JPED 2011 paper to show that tidal breathing maneuvers can yield repeatable results in children, but they have not cited it in the manuscript. It should be cited in the manuscript to support the methods and also in the discussion section as it also shows that different diagnostic cut-offs would be needed with different breathing methods.
5. When the others state "mouth breathing" I would assume that they mean open mouth tidal breathing, but this should be specified in the methods. The Mateos-Corral paper shows that still different cut-offs would be generated with a closed mouth tidal breathing method, which is the preferred technique of infants.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.