Reviewer’s report

Title: Validation of digital photographs as a tool in 24-h recall, for improvement of dietary assessment among rural populations in developing countries

Version: 2 Date: 18 April 2012

Reviewer: Emma Foster

Reviewer’s report:

Minor Essential Revisions:

The English needs some attention - I have detailed suggested amendments in the attached pdf.

I feel there is too much detail given on the process of the weighed intake and nutrient calculations.

I am not sure of the value of including the correlation and t-test data. The FP 24-hR could consistently give values 3 times higher than the WFR and there would be perfect correlation but the methods certainly would not be in agreement.

I suggest decreasing the discussion around the correlation and t-test data (or removing it all together) and focussing on the Bland Altman statistics.

With the Bland Altman statistics it is not important that 95% of the values lie within the limits of agreement rather it is the width of the limits of agreement which are important. For example from Table 3 estimates of intake of Vitamin A show good agreement at the group level but there is wide variation at the individual level as evidenced by the wide limits of agreement. It would be useful to have a discussion of these data in the text. e.g on average energy was under-estimated by x% and the limits of agreement were from an under-estimate of x% to an over-estimate of x%.

Table 3 is very full. I would suggest losing the columns with ES, 95% CI and correlation.

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

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

I declare that I have no competing interests.