Reviewer’s report

Title: Correlates of whole-blood polyunsaturated fatty acids among young children with moderate acute malnutrition

Version: 1 Date: 29 Mar 2017

Reviewer: Jessy Abraham

Reviewer's report:

1. Authors need to make it clear that Burkina Faso is in African continent.

2. It is not clear why the authors decided to compare PUFA levels with that of fell-wed Danish children. Due to racial disparity there could be differences in the normal levels of the PUFA in children from both continents.

3. Authors should include a control which consists of children from same area and age group who have not been diagnosed with MAM.

4. It is not clear why the authors decided to look only for fever, diarrhea and malaria as indicators of infections. What about flu and cold?

5. Line 251-252: It is not clear on why children in the nuts group or the oils and fats group had low fat

6. Lines 248-261: Information is not novel as it is already known that dietary levels effect essential fatty acid levels.

7. Line 265: Fever was associated with lower LA, AA, DHA. Did the levels go up when the fever subsided?

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

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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