Reviewer's report

Title: Age pattern relationship of nutritional status with biological, parasitic, socioeconomic and household factors in northeastern Ethiopia

Version: 1
Date: 30 December 2014

Reviewer: Anna Bajer

Reviewer's report:

This ms presents the association between the range of biological and socioeconomic factors on occurrence of undernutrition in one town in NE Ethiopia. The authors determined the level (prevalence and intensity) of infection with intestinal helminthes, blood groups of participants, Plasmodium infection status and analyzed the data in view of distribution of undernutrition.

Minor revision

Title. Author may consider the simplification of the title- it is too long and complicated. My propositions: Age-related factors influencing the occurrence of undernutrition in NE Ethiopia. Or: Distribution of undernutrition in different age groups in relation to parasitic and socioeconomic factors.

Abstract:

Background: Please , add first sentence from Introduction.

Aim- ‘age pattern of relationship’ is not clear; age pattern suggests repeatable ‘pattern’

Table 1 shall be described in the text.

Line 81 rephrase ‘are not similar’

Line 90: add ‘few’ in front of ‘studies’

Line 121: correct to: ‘… and their height and weight were measured’

Line 123 better' income level'

Line 130: It is unclear how samples were fixed for further identification of helminth eggs in the institute laboratory. Please, add this piece of info

Line 176: correct to ‘study participants’

Line 181: chi2 value is long; please check and provide ‘shorter’ number 4.61 (?)

Line 195: correct to ‘about’

Line 198: it is not clear what ‘communities’?

Line 207 & further: I would move the phrase ‘multivariate regression model into bracket with stat values

Line 278: should be ‘lower’ instead of ‘higher’?

Line 285: consider ‘ more often’ instead of ‘better’
Line 293: correct to; ‘Some other reports documented also ..’
Line 296; correct to : ‘All cases (..) were of light ..’
Lines 297, 298; this sentence is not clear
Lines 303-305: these infos shall be first mentioned in results
Line 317: correct to : ‘antigens’
Line 318: delete ‘chance’
Line 326: consider ‘was not associated with undernutrition’
Line 327: ‘was associated with the higher intensity..’

**Level of interest:** An article of importance in its field

**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