Reviewer's report

Title: Sero-prevalence of rubella and associated factors among pregnant women attending antenatal care in Mwanza, Tanzania

Version: 2 Date: 15 October 2013

Reviewer: Faraj Barah

Reviewer's report:

1) Most of the pregnant women admitted to this study were in their 2nd or 3rd trimester. Is there a possibility that they may got rubella infection just before or at early stages of their pregnancies? Ideally, having more individuals in their 1st is better for reaching more precise conclusion. having said that, for the data collected in this work, it is worth to report the follow-up of these women after delivery (to check if the infants were not infected with rubella. It will be also interesting to report the pregnancy outcome for the women who was tested positive for IgM antibodies.

2) It is well know that the concentration of antibodies may drop below the recommended levels by increasing age. Do the authors recommend testing the women, who were immune in their 1st pregnancy, during the 2nd or 3rd ones? This need to be clarified.

3) With this high percentage of immunity, I found it difficult for the communities, as well as for the authorities, to accept the introduction of rubella vaccine. Emphasis on the possible outcomes on the negative cases should be clear in the manuscript.

4) Figure 1 is not referred to in the text and is difficult to understand. Please clarify.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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

Declaration of competing interests:
I declare that I have no competing interests' below