Reviewer's report

Title: Metabolic abnormalities in adult HIV infected population on ARV medication in Malaysia: a cross-sectional survey

Version: 1 Date: 11 March 2013

Reviewer: alessandra viganò

Reviewer's report:

This is an interesting paper on metabolic abnormalities in adult HIV-subjects in Malaysia. Since such data for developing countries are lacking, this paper adds important information on the topic.

Number of included patients is large, above all considering that this is a single-center study. Various risk factors for every type of metabolic abnormality were properly assessed. Limitations of the study were properly and clearly stated. Some revisions are required.

1. Minor revisions:
   - methods: specify that plasma glucose is fastig; and give information if lipids are fasting too.
   - study definitions: I think that the risk is HDL equal or less than 1.03 (male) and 1.30 (female) and not equal or more than 1.03 and 1.30.
   - risk factors for increased TC: you stated that higher HDL and having hepatitis disease significantly protect subjects from hypertryceridemia. It is unclear the reason why you put this statement here and not in TG risk section.
   - risk factors for low LDL: you stated that beside this study show that higher level of TG and having hepatitis disease significantly decreased the risk of hypertryceridemia. It is unclear the reason why you put this statement here and not in TG risk section.
   - discussion: you may more deeply emphasize that the data are derived from a male population and that their relevance is mainly to be referred to male sex.

2. Discretionary Revisions:
   if you have data it may be useful to add also insulin values.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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