Reviewer’s report

Title: Prevalence of the metabolic syndrome in a rural population in Ghana

Version: 2 Date: 1 August 2012

Reviewer: Abdul Basit

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Major Compulsory Revisions:

The following are few shortfalls in the manuscript:
1) The findings of this study will not add further to the existing knowledge of the subject (MS)
2) The methodology section has some description regarding HbA1c but the finding of this variable is missing in results and discussion. How important it is to have HbA1c to determine MS. Moreover the exact methodology for the analysis of this variable is also missing along with incomplete description of HbA1c in the list of abbreviation
3) The details for sample size calculation are missing.
4) The S.I units for the variables are missing in the tables
5) The limitations of this study (e.g. small sample size & lack of representativeness of the whole rural population etc.) are not mentioned in the manuscript

Discretionary Revisions:

1) It might be of interest to analyze the data to see the distribution of MS and its associated risk factors among office (sedentary and active) and field worker
2) The citation of the article (Preventing Diabetes and Atherosclerosis in Sub-Saharan Africa: Should the Metabolic Syndrome Have a Role?) Available at Curr Cardiovasc Risk Rep. 2009 January 1; 3(3): 161–167, would further strengthen the literature search

Level of interest: An article of insufficient interest to warrant publication in a scientific/medical journal

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.