Reviewer's report

Title: Cardiac structure and function in relation to cardiovascular risk factors in Chinese

Version: 1 Date: 20 April 2012

Reviewer: Joseph Yeboah

Reviewer's report:

Major concerns
1. Authors confused an association with determinants. determinant infers causality. Therefore authors should remove all of them from the text
2. The results are likely due to residual confounding. All your full model should include systolic blood pressure, blood pressure medication use, diabetes mellitus status and gender. The association found with LA volume/size and blood glucose is likely due to the lack of diabetes mellitus status in the model.
3. The cohort is highly selected and therefore cannot be representative of the China population. Therefore their conclusions may not be supported by their findings. They should qualify their conclusion to reflect this bias
4. What is data in the clinical cardiovascular disease status of the population?

Minor comments
1. the p value for the association with alcohol is 0.08 and technically not statistically significant. The is a trend though!

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

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

Declaration of competing interests:

I have no disclosures to make regarding this topic.