Reviewer's report

Title: Gender-specific contribution of cardiometabolic index and lipid accumulation product to left ventricular geometry change in general population of rural China

Version: 1 Date: 19 Oct 2017

Reviewer: Akiomi Yoshihisa

Reviewer's report:

Review comment BCAR-D-17-00532R1

Although revised manuscript has some improved, this reviewer feels that essential problem is not solved.

Major

1. Clinical implications
This reviewer agree with the authors that purpose of this study was to demonstrate associations between LV geometry and both CMI and LAP, not regarding BMI. However, as the authors mentioned in the revised manuscript and reply, and presented in Table 4, BMI, which is simpler index than CMI and LAP, is still seems to be superior than CMI and LAP to affect LV geometry. Unfortunately, clinical implications regarding CMI and LAP seems to be still somewhat low, compared to BMI. From these results, how does the authors think about the utility of these indexes, compared to BMI?

2. Medications and CVD
The authors presented medication (as self-reported medication in the past two weeks), and history of CVD (as combination of CAD, arrhythmia and heart failure) in revised manuscript. What kind of self-reported medication in this population were? ARB, CCB, β blocker, aspirin, H2 blocker, bronchodilator, cold medicine, painkiller, and so on? Medication was limited in drugs for CVD? As emphasized in the previous review comment, this reviewer thinks that the type of medication and the CVD is strongly associated with results of this study essentially. This reviewer emphasized again that the authors should separate these medication and CVD, and re-analyze the data.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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