Reviewer's report

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

Version: 2 Date: 12 September 2012

Reviewer: Pasquale Palmiero

Reviewer's report:

The aim of this study is clearly assessed by the Authors
About method where the authors describe LV mass as hypertrophic they consider too low cut off value so many people assessed as affected by LVH is not. (See ASE recommendation). Results need to be corrected. LV diastolic function is assessed in a obsolete way, since quite 20 years we need to use basic TDI to identify pseudonormal pattern, the authors know this limitation, but this affect the results.

The data of results need to be corrected for LVH, while left atrium has been well studied with volume index. Discussion and conclusion need to be revaluated according to common values of LVH and diastolic function lacks of quality assessment. About conclusion it is inappropriate, according to guidelines, to perform an echocardiographic examination to all asymptomatic patients with risk factors. We propose the manuscript for a major revision.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

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

Declaration of competing interests:

I declare that I have no competing interests