Reviewer's report

Title: Hypovolaemia was associated with clustering of major cardiovascular risk factors in general population

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Reviewer: Luxia Zhang

Reviewer's report:

Dr. Kong et al describe a cross-sectional study investigating the association between clustering of CVD risk factors and hypovolemia defined by decreased ECW/TBW. The topic is interesting and novel. There are several comments:

1) There are certain factors known to be associated with clustering of CVD risk factors (eg. lifestyle, insulin resistance), and those were not captured by the analyses. Potential confounding by those factors is one of the major concerns.

2) Between-individual variation exists when using ECW/TBW to define volume status. The authors should mention that in the limitation part.

3) Regarding Logistic regression models in Table 3, the authors should state clearly that who did they include (”none” and “cluster”, excluding “single”?)

Level of interest: An article of importance in its field

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

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests