Reviewer’s report

Title: Identification of metabolic syndrome using phenotypes consisting of triglyceride levels with anthropometric indices in Korean adults

Version: 2 Date: 09 Feb 2020

Reviewer: Peng Ju Liu

Reviewer's report:

The objectives of this study were to find the best indicator of MetS among anthropometric indices and to examine the predictive power of phenotypes consisting of triglyceride levels with anthropometric indices. This cross-sectional study comprises a large population from Korea, and the analyses of data support conclusion well. Meanwhile, the author realizes that the body composition will change with age, so it needs to be divided into subgroups according to age. Interestingly, the best indicator was TG + WHtR in women aged 40-49 years and TG + forehead-to-waist ratio in women aged 70-79 years. This paper is well written.

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.

Yes

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Yes

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