

Review of: "Obesity, Dyslipidemia and other Risks Factors for Metabolic Syndrome among Indigenous Black African Secondary School Students in Lagos, Nigeria"

Wei-yun Wang¹

¹ National Defense Medical Center

Potential competing interests: No potential competing interests to declare.

The topic was very interesting. There were some suggestions for improving the quality of the manuscript.

1. The subject was 10-19 years old. It included the period of child and adolescent. Sometimes the author used the child, sometimes the authors used the adolescent, please make consistent.
2. The sample size calculation showed that the research needed 650 subjects. However, the result only included the 624 subjects. Were the subjects enough?
3. How to check the neck circumstance? Please described the measure process.
4. The age groups were divided 10-14, 15-16, and 17-19 years old. Why did the age group separate?
5. In the line 3 of the definition section, "fasting plasma levels" was showed, but there was no data? please make sure. And it showed the "HDL-cholesterol <40". Why didn't the normal range of the HDL divide by gender?
6. There were many different values showed in the results section and tables. Please confirm. For example, about the underweight of the stage of adolescence, the χ^2 test was 9.64 in the table 1, however, the χ^2 test was 6.64 in the result section of the manuscript. About the overweight of the BMI-for-age, the p value, OR, and 95% CI were 0.32, 1.50, and 0.67, 3.32 in the result section of the manuscript, however, the values were 0.34, 0.67, 0.30, 1.49 in the table 1.