Reviewer's report

Title: High-molecular-weight adiponectin and anthropometric variables among elementary schoolchildren: a population-based cross-sectional study in Japan

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Reviewer: Abel López-Bermejo

Reviewer's report:

Although the article by Ochiai H et al. on the association of HMW-adiponectin with anthropometric parameters is Japanese children has been improved, this reviewer has difficulty in understanding why the authors focused their introduction on metabolic syndrome (MetS) when MetS is not an endpoint in this paper. Besides this, what is the use of assessing blood pressure and serum lipids in the postprandial state? I understand that the authors added this information in response to the first reviewer's comment, but these assessment are flawed by the fact that the children were not in the fasting state.

I would consider revising the manuscript in order to avoid giving undue emphasis to MetS in this report.

Minor comment:

The newly added sentence in the introduction: "A recent study reported that HMW-adn is associated with insulin resistance [8]" would be more informative if it read the following: "A recent population-based study in children reported that HMW-adn is associated with insulin resistance [8]"

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I have no conflict of interest.