

March 01, 2025

Ms. Ref. No.: 111973v1

Journal: International Journal of Biological Macromolecules

Title: Exploring the impact of the triglyceride-glucose index on bone metabolism in prepubertal children: insights from traditional methods and machine-learning-based bone remodeling prediction

Comments:

Thank you for your efforts in composing an on such a pertinent subject. I have taken the liberty of providing you with a few observations that I believe will enhance the quality of your work. Please find my feedback outlined in the following paragraphs

- 1) The sample size of this study was 332 children. How was determined this sample size?
- 2) Is this sample size sufficient for generalizing the results?
- 3) The numbers of two study groups were the same partially. Is the gender important in this article? If yes, how?
- 4) What was the main inclusion and exclusion criteria in this article?
- 5) It seems to be better that add an inclusion and exclusion criteria diagram.
- 6) In the method section was mentioned; the age range of 7-11 years was chosen based on the fact that this is a critical period of growth and development for children; since this range was the same for boys and girls, while the aim of this study was about prepubertal children. Please introduce this concern.
- 7) The style of writing was not justify. Please check the author's guidelines.
- 8) What was the association between age and BMI with the result of this study?
- 9) Additionally, some of the Following reference can be included in the introduction part for more readability:
 - <https://doi.org/10.1016/j.ejim.2024.08.026>
 - <https://doi.org/10.1002/osp4.758>
 - <https://doi.org/10.1002/jcla.24995>
 - <https://doi.org/10.3390/nu15163507>
 - <https://doi.org/10.1111/jcmm.17646>