Reviewer's report

**Title:** Association between glycosylated hemoglobin A1c and bone biochemical markers in type 2 diabetic postmenopausal women: a cross-sectional study

**Version:** 0  **Date:** 27 Oct 2018

**Reviewer:** So Nagai

**Reviewer's report:**

The authors examined bone metabolism of postmenopausal women with diabetes compared with those of control. While N-MID osteocalcin was decreased in diabetic patients, there is no significant difference in β-CTX. It is an interesting paper on clarifying the pathology of bone in diabetes, however you need to present additional data for accepting.

1. As a reason for that the results of bone absorption maker in your paper are different from those in past research, the patients' background may be some different. This study is done in a single center, you need to describe in detail the background. It is essential that you provide data on diabetes duration, microvascular complications, and antidiabetic medicine. You need to show past history of fracture as well as treatment of osteoporosis.

2. P3 line 6: The reference 10 could be incorrect, in this article, bone turnover is decreasing in diabetic patients.

3. P6 line 17: Another paper showed that β-CTX is positively correlated with HbA1c in normal glucose tolerance, but your paper indicated that β-CTX has a negative correlation with diabetes with HbA1c <7.4%. How is this interpreted? How low can HbA1c be negatively correlated with HbA1c?

4. P7-8: In discussion, you estimate over-emphasize the results, though your data do not have statistical significance.

5. Many spelling mistakes are seen. You should correct them appropriately.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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