Reviewer's report

Title: Low bone turnover in premenopausal women with type 2 diabetes mellitus as an early process of diabetes-associated bone alterations: a cross-sectional study

Version: 1 Date: 21 Oct 2017

Reviewer: Giuseppina Russo

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Re: Manuscript Number: BEND-D-17-00227R1 BMC Endocrine Disorders

Full Title: Low bone turnover in premenopausal women with type 2 diabetes mellitus as an early process of diabetoporosis: a cross-sectional study

This cross-sectional study aims to assess bone turnover markers (P1NP and CTX) in 41 premenopausal women with T2DM and 40 premenopausal women without DM. S in premenopausal women with and without T2DM.

This aim of the study to explore premenopausal alteration in bone turnover in T2DM is intriguing because of the mixed literature and the higher rate of postmenopausal cohorts that have been studied so far. Conclusions are appropriate to research design and results, and they may have implications for future research.

The results are interesting but some minor flaws should be addressed before publishing the manuscript.

The term Diabetoporosis is not widely accepted. I suggest to substitute it with bone alterations linked to diabetes or put as "Diabetoporosis".

Discussion section should be improved including the following:

Small sample size should be acknowledged among the limits of the study in the discussion section.

The lack of US and/or DEXA measurements as well as hormonal status should also be acknowledged among the limitations of the study, and properly discussed.
Ethnic implications of studying an Indonesian population should also be addressed (i.e., effects of BMI on bone strength etc.)


At this regard, it would be interesting to include the list of currently used hypoglycaemic drugs in table 1 (not only insulin users).

authors.

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

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

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Please indicate the quality of language in the manuscript:

Acceptable
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