Reviewer’s report

Title: 11β Hydroxysteroid Dehydrogenase - 1 activity in type 2 diabetes mellitus : A comparative study

Version: 1 Date: 29 Aug 2018

Reviewer: Koji Sato

Reviewer's report:

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Manuscript NO. BEND-D-18-00169 R1

Author revealed that the relation of 11beta-HSD activity in type 2 diabetes patients. The study design was clear and the results were important and interesting for treatment and prevention of type 2 diabetes, however, the some serious issues were raised for the acceptance.

Major Comments

The data should be needed for HbA1C, history of type 2 diabetes as well as any other medical history.

Materials and method

1. Please mention when author use t-test, one-way ANOVA, or two-way ANOVA, Please clarify.

2. How did you measure 11beta HSD activity? Was that method was golden standard? Any references were there?

3. Did you measure normal daily nutritional status especially daily Vitamin D consumption? Because author measured Vitamin D and it might be concerned daily nutritional status.
4. How did you measure daily physical activity level? How did you classified sedentary, intermediate or exercise? It might change 11beta HSD activity if participants have different habitual exercise.

Discussion

1. What is the mechanism of increasing 11beta HSD activity only in type 2 diabetes with lean? Which tissues express 11beta HSD? It means which part of body increasing 11beta HSD activity those who have type 2 diabetes.

Minor comments

Please show the complete expression for the first such as PEPCK, SGOT or SGPT. Page 5, Line 57, double "were", Please check English grammar with native English speaker.

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.

Not relevant to this manuscript

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

Needs some language corrections before being published
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