Reviewer’s report

Title: Poor short-term glycemic control in patients with type 2 diabetes impairs the intestinal mucosal barrier: A prospective, single-center, observational study

Version: 0 Date: 11 Dec 2018

Reviewer: Tatsuya Kondo

Reviewer's report:

BEND-D-18-00361

In this manuscript, the authors investigated the intestinal mucosal permeability in T2DM as well as healthy volunteers. They found that blood endotoxin levels were higher in T2DM, and the amplitude of blood glucose fluctuations were also associated with higher endotoxin levels in the patients with T2DM.

The authors concluded that intestinal mucosal barrier injury occurs in T2DM with poor short-term glycemic control.

Comments

1) Background characteristics of the subjects are poorly described. Average HbA1c, GA, diabetic history, medications, complications, renal function etc, should be indicated in Table.1.

2) Overall professional English re-writing is required.

3) While endotoxin levels were higher in T2DM, D-lactic acid or DAO were not changed. The differences in biological meaning in those markers should be describes.

4) In line 261-262, is metformin leading to impaired intestinal mucous barrier function?
Is this true? The authors should cite appropriate references.

5) Is that possible the hypoglycemia affects endotoxin levels?

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

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

Not suitable for publication unless extensively edited

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