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: 09 Jan 2019

Reviewer: Takahiro Ishikawa

Reviewer's report:

The authors focused on the relationship between glycemic control of type 2 diabetic patients and intestinal mucosal barrier function.

There is also a report that blood glucose fluctuation increases the risk of diabetic macroangiopathy, and this research contains important points.

However, I think that there are some things to check on the results.

Major

1. In the discussion, the authors state that blood sugar fluctuation damaged the intestinal mucosa and increased the endotoxin level.

Conversely is there any possibility that inflammation damaged the intestinal mucosa and increased blood glucose fluctuation?

Please state whether the increase in endotoxin is the cause or the result.

2. In multivariate analysis, the authors stated that SDBG and endotoxin showed a positive correlation.

However, the standard partial regression coefficient is as small as 0.255 and I think that it is not clinically important correlation.

3. In this manuscript, endotoxin levels were significantly higher in patients with type 2 diabetes than in healthy subjects.

How about other inflammatory markers such as high sensitivity CRP?
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:

Acceptable

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