Reviewer’s report

Title: The level of netrin-1 is decreased in newly diagnosed type 2 diabetes mellitus patients

Version: 1 Date: 19 Feb 2016

Reviewer: Ioanna Eleftheriadou

Reviewer's report:

The authors have addressed most of the reviewer's comments, but there are still some concerns that should be addressed by the authors.

1. Abstract, lines 62-63: "… and the level of netrin 1 was independently related to IR and glucose homeostasis…” The editing did not preserve the meaning, please change to: "… and the levels of netrin 1 were negatively associated with insulin resistance…".

2. Methods, lines 101-103: "…and had previous anti-hyperglycemic therapy…". Did you mean that they had "no" previous anti-hyperglycemic therapy?

3. Methods, lines 104-105: "…Exclusions patients prescribed any oral hypoglycemic agents or insulin…” Did you mean that "excluded were patients prescribed any oral hypoglycemic agents or insulin”?

4. Methods, lines 115-116: "… the possibility of type diabetes mellitus…” Please add type "1".

5. Methods, lines 129-130: "… BMI was calculated as weight (kg)/height (m2)…” Please change to "square of height".

6. Results, lines 185-186: "… the results showed that was independently related to…” Please add "netrin-1".
7. Discussion, lines 199-200: "… regulates insulin secretion contributes to β-cell dysfunction." Please add "and".

8. Discussion, lines 200-201: ".. reported netrin-1…". Please add "that".

9. Discussion, lines 203-205: The sentence "The decrease in the level of netrin-1 in newly diagnosed T2DM from the dysregulation of inflammation in the pathogenesis of" makes no sense.

10. Please rewrite the fifth paragraph of the discussion section, lines 226-235.

11. The first sentence in the conclusion section should be omitted, since the study does not provide any evidence that netrin-1 is a predictive and prognostic marker of inflammation.

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:

Needs some language corrections before being published

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