Reviewer’s report

**Title:** Serum Vaspin Concentration in Elderly Patients with Type 2 Diabetes Mellitus and Macrovascular Complications

**Version:** 0  **Date:** 21 Feb 2017

**Reviewer:** Gokulakrishnan Kuppan

**Reviewer's report:**

1. Please develop the Introduction as an hypothesis rather than as a purely descriptive study

2. Authors should provide detailed methodology for measuring biochemical parameters. The inter and intra assay coefficients of variation for measuring biochemical parameters like serum vaspin/insulin should be provided and this important considering the variations in the assessment.

3. How were the healthy controls recruited? Did they undergo an oral glucose tolerance test to rule out diabetes or pre-diabetes?

4. As this is not a prospective study, kindly avoid the term "baseline characteristics" instead you can use clinical characteristics of study participants

5. What is the standard criterion used to define obesity?

6. Why the correlation analysis has been done only on Control and T2DM group alone (Table 3).

   It would be better to include T2DM+MC group also

7. Mention the antidiabetic medication effect on vaspin levels

8. Discussion should be more relevant to the results

9. The authors should explain the clinical significance of their study.
10. It will be helpful if summary and conclusion focuses more on the further studies that can understand the underlying mechanisms and how this study's results can help in setting up more physiological and prospective studies

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.

No

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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