Reviewer’s report

Title: Nitrosamine exposure exacerbates high fat diet-mediated neurodegeneration

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Reviewer: Chang-Ju Kim

Reviewer’s report:

This manuscript treated complex diseases, type-2 diabetes mellitus and Alzheimer’s disease. This manuscript contains many data to prove the authors’ hypothesis.

The reviewers suggest that the authors show clinical data proving that developing of Alzheimer’s disease is more prevalent in the humans with high fat-diet compared to those with low fat-diet.

In this study, several biomarkers showed the evidences of neurodegeneration in the rats exposed to N-nitrosodiethylamine with chronic high fat intake. The reviewer recommend to the authors to also present the behavioral evidences showing neurodegeneration, such as memory impairment.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.