Reviewer’s report

Title: A Network Pharmacology-Based Study on Alzheimer disease prevention and treatment of Qiong Yu Gao

Version: 0 Date: 10 Mar 2020

Reviewer: Poornima Paramasivan

Reviewer's report:

The study by You et al., systematically explored the putative bioactive compounds in QYG and pharmacological mechanisms of QYG for AD treatment through network pharmacology. The authors have identified the major pathways related with AD treatment by QYG which opens up the possibility for further significant research on these pathways after QYG treatment. It is a novel study that can lead to an effective treatment option for AD. Before publishing the article, the following minor revisions can be done to improve the quality of the manuscript.

Because of the theoretical nature of the study, it would be more welcomed by the readers if the authors can demonstrate how Alzheimer's cell models behave after QYG treatment (eg., cytotoxicity using SH-SY5Y cells or any relevant models).

Further, discussion of safety and side effects of the concoction would add more strength to the study.

Content overlap in the figures has to be avoided (eg; fig 5)

Inclusion of a figure with the major ingredients of 4 herbs in QYG would be beneficial to the readers.

Level of interest

Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

Quality of written English

Please indicate the quality of language in the manuscript:

Acceptable
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