Reviewer’s report

Title: Exercise and Resveratrol Increase Fracture Resistance in the 3xTg-AD Mouse Model of Alzheimer’s Disease

Version: 1 Date: 09 Dec 2018

Reviewer: Rong Sheng

Reviewer's report:

The manuscript report the efficacy of resveratrol and exercise in ameliorating fracture risk in the 3xTg-AD mouse model for AD. The manuscript is well prepared and can be published in BMC complementary and alternative medicine after finishing following minor revision.

1) The relationship of resveratrol with AD and osteoporosis need to be described in detail, and please explain why choose a very high dose (4g/kg) of resevaratrol in the experiments.
2) I suggest the manuscript should provide some biochemical indicators related to bone quality of 3xTg-AD Mice group with group of resveratrol, exercise and resveratrol+ exercise

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 recommend additional statistical review

**Quality of written English**

Please indicate the quality of language in the manuscript:

Acceptable

**Declaration of competing interests**

Please complete a declaration of competing interests, considering the following questions:

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