Reviewer’s report

Title: Cardiac Hypertrophy Is Stimulated by Altered Training Intensity and Correlates With Autophagy Modulation In Male Wistar Rats

Version: 0 Date: 07 Apr 2019

Reviewer: Paola Castrogiovanni

Reviewer's report:

I read with great interest the manuscript entitled "Cardiac Hypertrophy Is Stimulated by Altered Training Intensity and Correlates With Autophagy Modulation In Male Wistar Rats" and the topic is very interesting.

The aims and conclusions are of interest, the paper is clearly written even if the written English needs some language corrections.

As general suggestions:

RESULTS:

Effects of Training on Heart Weight and Heart Weight/Body Weight Ratio:

pag 8 line 24 and pag 9 line 1, authors report some values of heart weight (1.304±0.04) (1.404 ± 0.07) (1.112 ± 0.007) but they are not the same of the table in Supplemental Table (Individual Data). Which is the unit measure in the manuscript? Is it gram? In the table is gram. Please control.

Effects of Training on Histology:

pag 9 lines 7-10, the histological results, visible in the table, should be better detailed in this paragraph just to be more descriptive for the interested reader. Moreover the micrographs of myocardial tissue in Figure 2 are too small and with poor resolution, they should be replaced.

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:

Needs some language corrections before being published

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