Author’s response to reviews

Title: Metformin restores electrophysiology of small conductance calcium-activated potassium channels in the atrium of GK diabetic rats

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Version: 2 Date: 11 Mar 2018

Author’s response to reviews:

Dear Editor:

Thank you very much for your email which you sent us reviewers’ comments on our manuscript entitled “Metformin restores electrophysiology of small conductance calcium-activated potassium channels in the atrium of GK diabetic rats” (manuscript ID: BCAR-D-17-00740R1).

All of the reviewers’ comments are responded point by point in this revised manuscript (tracked) and responses are included at the bottom of this letter. All details are strictly revised according to the “Guide for Authors”. We hope this version is much improved.

Thanks again for your help and the reviewers for their valuable comments. We hope that these modifications will not put you to too much trouble and make the manuscript qualified to be
published in BMC Cardiovascular Disorders. Thank you for your kind consideration. We are looking forward to your favorable reply.

With best wishes,

Sincerely yours,

Xiaodong Li

Reviewer 1

1. However, in the new manuscript that you send, all the values reported are identical to the original manuscript, and all these are expressed as mean and standard deviation, and none as median with interquartile range. If you declare that you used nonparametric tests, then there should be values that are expressed accordingly. Otherwise, I must assume that you modified the statistical analysis statement, but you did not review that analysis in depth.

Response: Dear reviewer. Thanks for your comments. To keep the consistence of figure pattern in the MS, we did not change the illustration of the data in the last version of MS. In the current version of MS, the illustration of non-normal distributed data were shown as median with interquartile range. We hope this version can resolve your concern. The corresponding figure legends were also corrected in the current version of MS (line 438, line 451, line 466).