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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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-17-00740R2).

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

1. The Availability of data and materials section refers to the raw data used in your study and presenting tables and figures is not sufficient to state that all data is contained within the manuscript and additional files. Please only use this statement if you have indeed provided all raw data on which your study is based. We strongly encourage all authors to share their raw data, either by providing it in a supplementary file or depositing it in a public repository and providing the details on how to access it in this section. If you do not wish to share your data, please clearly state this in this section along with a justification. Data availability statements can take one of the following forms (or a combination of more than one if required for multiple datasets):

Response: The raw data are prepared as supplementary files in the current version of MS

2. We would also like to ask for you to provide more justification for the contributions of YP, as currently they do not automatically qualify for authorship.

Response: The author YP has been mis-spelled as YL and corrected in the current version of MS.

3. In the methods section, please can you clearly state the specific method of euthanasia used to kill the rats used in your study. If a drug was used, please state the dosage used. Please also confirm in your response letter whether the ethics committee approved this method of euthanasia.

Response: The rats were sacrificed by i.p. injection with 100 mg/kg pentobarbital sodium and the ethics committee approved this method of euthanasia.
4. At this stage, we ask that you submit a clean version of your manuscript and do not include track changes or highlighting.

Response: The MS is prepared according to your requirement