Reviewer’s report

Title: Effects of Radix Linderae extracts on a mouse model of diabetic bladder dysfunction in later decompensated phase

Version: 3 Date: 12 Oct 2018

Reviewer: Yoshihiko Ito

Reviewer's report:

The authors investigated the effect of Radix Linderae extracts on diabetic bladder disfunctions and alteration of bladder function on diabetic mice.

This manuscript seems interesting. However, there are some errors and lack of information in the manuscript and the authors need to clarify following questions and concerns.

1. Although authors performed single CMG, Continuous CMG is general. Why was single CMG used? Please discuss the limitation or reason.

2. Is pressure unit correct in figure 2? I think 10 cmH2O is reasonable.

3. In the contraction response section, authors discussed that decrease of muscarinic receptor expression caused decrease of contraction response. But KCl response indicated decrease on diabetic bladder compare with control one. Depolarization contraction didn't involve muscarinic receptor response and was nearly equal total smooth muscle response. It mean that smooth muscle contractility was decrease on diabetic bladder. Please discuss other possibility of CCh response decreasing on diabetic bladder.

4. STZ induced diabetes followed by destruction of beta cell on islets of pancreas. Why plasma insulin is increase on author's diabetic model mice? What is mean of STZ instruction?

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 am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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