Reviewer’s report

Title: Dexmedetomidine enhances tolerance to bupivacaine cardiotoxicity in the isolated rat hearts: alpha 2 adrenergceptors were not involved

Version: 1 Date: 01 Nov 2019

Reviewer: Jiqing Guo

Reviewer's report:

Clinic observations and animal experiments showed that dexmedetomidine pretreatment could reduce bupivacaine-induced cardiotoxicity. Authors did the further experiments to explore the mechanism and direct effects of dexmedetomidine on the bupivacaine-induced cardiotoxicity in isolated rat heart. After finishing the additional thorough control experiments, based on their experiment report, I believe the research design is rational, the method is appropriate and the conclusion is convincible. I agree to recommend to publish this paper in your journal. I have no further question.

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?
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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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