Author’s response to reviews

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

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Author’s response to reviews:

Dear Akila Sridhar,

Thank you very much for giving me the opportunity to revise my article entitled “Dexmedetomidine enhances tolerance to bupivacaine cardiotoxicity in the isolated rat hearts: alpha 2 adrenoceptors were not involved” (PHAT-D-19-00079R1).

I would truly thank the two reviewers for their excellent comments and suggestions regarding my paper, and I also appreciate the considerable time and effort expended on their part to improve the paper. We have studied comments carefully and have made correction which we hope meet with approval. I believe the paper has been substantially improved.

The article format has been modified according to the requirements of your journal. Here are my specific responses to the reviewers as follows:

Reviewer 1

Question 1
Table 1, What were unit of the data in the table? "Second"?

Answer

Special thanks to you for your good comments. The unit of the data is exactly “Second” and we have revised in table 1.

Question 2

Table 1, In the table, the P values in all the statistic relative to CON and DEX were 0.0000. That was clearly not acceptable and correct.

Answer

Thank you for your suggestion. It is our negligence and we are sorry about this. We have revised after consulting a statistical expert.

Question 3

line 76 in Abstract, "In all 5 groups, the experimental perfusion was sustained until the heart asystole." that is not correct.

Answer

Thank you for your suggestion and we are very sorry for our unclear report. We have revised as “The experimental perfusion was maintained for 35 minutes in group Con and group Dex, and the experimental perfusion was sustained until asystole in the other three groups.”

Reviewer 2

Question 1

Methods, line 129. Abbreviated name “AARIVE”.

Answer

Thank you for your suggestion. We have revised as “ARRIVE (Animal Research: Reporting of In Vivo Experiments)”.

Question 2

Line 171, “ventricular”
Answer
Thank you for your suggestion. We have revised the “ventricalr” to “ventricular”.

Question 3
Line 186. Abbreviated name “HPLC-MS/MS”.

Answer
Thank you for your suggestion. We have revised as “HPLC-MS/MS (High performance liquid chromatography-mass spectrometry/mass spectrometry)”.

Question 4
Line 192, “standard deviation” (SD) and line 202 “SD”.

Answer
Thank you for your suggestion. We have revised.

Question 5
Line 210. Abbreviated name “bpm”

Answer
Thank you for your suggestion. We have revised the “bpm” to “beats/min”.

Question 6
Line 285, change “Dex’s” to “dexmedetomidine's”.

Answer
Thank you for your suggestion. We have revised.

Question 7
Line 295,299. “alpha 2”
Thank you for your suggestion. We have revised.