Author’s response to reviews

Title: Abnormal Cisatracurium Pharmacodynamics and Pharmacokinetics among Patients with Severe Aortic Regurgitation during Anesthetic Induction

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Author’s response to reviews:

1. Figures
   -- We note that figures 4 and 5 are currently missing from the file inventory. Please rectify this in the revised manuscript.

   Responses: We removed the original Figures 2 and 3 based on Mr Issam Tanoubi’s suggestions and re-ordered the remaining 3 figures.

2. Funding
   -- In the Funding section, please also describe the role of the funding body in the design of the study and collection, analysis, and interpretation of data and in writing the manuscript.

   Here is the revised version:

   The study was supported by Wu Jieping Medical Foundation (project name: The application of sugammadex in ERAS of video-assisted thoracoscopic cardiac surgeries; project number: 320.6750.18193; the name of unit: Guangdong Cardiovascular Institute), which covered part of
expense of determination of plasma drug concentration. In addition, the study is was supported by Natural Science Foundation of Guangdong (project name: Role and Mechanism of mTOR Inhibiting NLRP3-induced Pyroptosis by HKII in Increasing Diabetic Myocardial Ischemic Tolerance; project number: 2018A030313535; the name of unit: Guangdong Cardiovascular Institute), which covered part of the subsidies of Jinfeng Wei and Yujing Cai.

3. Authors’ contributions

-- Please reformat this section as a paragraph. We suggest the following format (please use initials to refer to each author's contribution):

AB carried out the molecular genetic studies, participated in the sequence alignment and drafted the manuscript. JY carried out the immunoassays. MT participated in the sequence alignment. ES participated in the design of the study and performed the statistical analysis. FG conceived of the study, and participated in its design and coordination and helped to draft the manuscript. All authors read and approved the final manuscript.

Here is the revised version:

SW conceived of the study, designed the study protocol and reviewed the manuscript. XH designed the study protocol, performed anesthesia, collected blood samples and wrote the manuscript. YC performed anesthesia, collected blood samples and wrote the manuscript. LC determined the cisatracurium concentration, analyzed data and performed statistics. JW performed anesthesia and collected blood samples. JS and LL determined the cisatracurium concentration. XP analyzed data and performed statistics. All authors read and approved the final manuscript.

XH, LC and YC made equal contributions to this study and should be considered co-first authors.

4. Additional files

-- Please remove the response to the reviewers’ comments, ethics approval, and cover letter files from the file inventory as these are no longer needed at this stage of the editorial process.

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files) should remain uploaded as separate files. Please ensure that all figures, tables and additional/supplementary files are cited within the text.

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