Author’s response to reviews

Title: Development of a novel radioligand for imaging 18-kD translocator protein (TSPO) in a Rat Model of Parkinson’s Disease

Authors:

Chun-Yi Wu (wcy72210@gmail.com)
Yang-Yi Chen (youth910766@gmail.com)
Jia-Jia Lin (solar3520@gmail.com)
Jui-Ping Li (piny72@nhri.org.tw)
Jen-Kun Chen (jkchen@nhri.org.tw)
Te-Chun Hsieh (rancholosamigos@yahoo.com.tw)
Chia-Hung Kao (d10040@mail.cmuh.org.tw)

Version: 2 Date: 15 Aug 2019

Author’s response to reviews:

We would like to thank the editors and reviewers for all the suggestions/comments which are helpful for improving this manuscript.

Editor's comments

1. Please clarify your euthanasia/sacrifice methods, including whether animals were anaesthetised and/or unconscious, injection dosages if applicable, methods used and rationale etc.

Response:

Thank you for your comments. The rats were anesthetized for PD induction and microPET imaging in this study. We followed the Guideline for Anesthesia of Rodents (Institutional Animal Care and Use Committees, China Medical University, Taichung, Taiwan) and used 2% isoflurane in O2 as anesthetic agent. The protocol was described in the Methods section (line 245-247 and 264). After imaging studies, the rats were sacrificed by CO2 inhalation for histological analysis. This description was added to the Methods section (line 265-267, page 15).
2. We note that you have not cited Figure 1 in your manuscript. Any Figures, Tables or Additional Files which are not cited within the text may be removed by our production team.

Response:

Thank you for your very careful review of our manuscript. We have cited the Figure 1 in the Methods section (line 129, page 8).

3. Please remove the cover letter, response to reviewers and ARRIVE checklist from the file inventory as it is no longer needed at this stage of the editorial process.

Response:

Thank you for your kind reminder. Those files were removed.

4. Please put your responses to the reviewers'/editors’ comments in the Response to Reviewers box in Editorial Manager. Please do not upload a separate letter. At this stage, please upload your manuscript as a single, final, clean version that does not contain any tracked changes, comments, highlights, strikethroughs or text in different colours. All relevant tables/figures/additional files should also be clean versions. Additional files should remain uploaded as separate files. Please ensure that all figures, tables and additional/supplementary files are cited within the text.

Response:

Thank you for your kind reminder. We have re-checked the revised manuscript.