Javier Masís

Dept. of Mol. and Cellular Biology

Harvard University

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Dr. Alisha DSouza

Senior Review Editor

Journal of Visualized Experiments

Dear Dr. DSouza,

Please accept our revisions to the manuscript JoVE58585 titled “A simple micro-CT-based method for characterizing lesions and locating electrodes in small animal brains.”

We have reviewed the editorial and reviewer comments and edited the manuscript accordingly. Please find a line-by-line response below:

**Editorial Comments:**

-Textual Overlap: We have edited the portions of the text highlighted in red to reduce overlap with previously published work.

-Introduction: We clarified the type of electrode recordings we are referring to and added references to paragraph 4.

-Protocol Language: we adjusted sections 4.3 and 4.4 to be in the imperative and scanned the article for other adjustments wherever possible.

-Protocol Detail: We have added the specific details requested:

1) 1.1 Mention animal age, weight

2) 1.3: Mention oxygen flow rate

3) 2.1: We updated step 1.6 to reflect that the cited protocol includes brain extraction

4) 3.4: Mention shaking speed

-Protocol Numbering: We added a one-line space between each protocol step

-Protocol Highlight: After making the recommended changes, we re-evaluated the highlighted sections of the protocol.

-Discussion: We ensured the discussion covered the items listed.

-Commercial Language: We removed commercial names from the protocol and added (“see Table of Materials”) where needed.

-All abbreviations are defined at first use

-We used standard abbreviations

-We have uploaded the text of the re-print permission to “Supplemental files (as requested by JoVE)” section.

**Reviewer #1**

-We added the reconstruction parameter in section 5.2

-We fixed the duplicated references

**Reviewer #2**

-no concerns reported

Please do not hesitate to contact us with any other questions.

Sincerely,

Javier Alejandro Masís