We appreciate your careful review of our manuscript (JoVE58822). As requested, we resubmitted a revised copy of the manuscript. For emphasis, new text added to the manuscript is colored red, and the editorial comments are italicized and colored blue in this document. We believe that the revision addresses all of the comments raised by the editor and hope that it will be published in *Journal of Visualized Experiments.*

**Editorial comments:**

*1. Please take this opportunity to thoroughly proofread the manuscript to ensure that there are no spelling or grammar issues.*

Thank you very much for your suggestion. We have proofread the manuscript carefully before the submission.

*2. Please use h, min, s for time units.*

*3. Please use standard SI unit symbols and prefixes such as µL, mL, L, g, m, etc.*

We replaced the units as suggested in the revised manuscript.

*4. Please specify the use of vet ointment on eyes to prevent dryness while under anesthesia.*

We used sodium hyaluronate eye drop to prevent dryness instead of vet ointment. Following contents were added as step 3.1 in the revised manuscript:

3.1 Drop one drop of 0.1 % purified sodium hyaluronate eye drop to prevent dryness on each eye.

Note: Eye drop on the eye surface will influence the values of refraction and axial length measurements. Do not use the eye drop after the anesthesia until all the measurements are done.

*5. For survival strategies, discuss post-surgical treatment of animal, including recovery conditions and treatment for post-surgical pain.*

Thank you very much for your comments. We added step 3.8 and updated the note of step 4.1 as follows:

3.8 Inject 0.75 mg/kg atipamezole hydrochloride intraperitoneally to help the mouse to recovery from the anesthesia more quickly. Put the mouse into an individual cage until fully recovered.

The resin cement of the adhesive system will fully cover the cut of the scalp. Therefore, no specific post-surgical treatment is needed for preventing infection and ameliorating post-surgical pain.

*6. Discuss maintenance of sterile conditions during survival surgery.*

Thank you for your reminding. We added step 3.3 and updated the note of step 3.4 as follows:

3.3 Sterilize the hair and scalp between ears and eyes using cotton swab with 70 % ethanol.

Sterilize the surgical scissors and tweezers with 70 % ethanol before the surgery of each mouse.

*7. Please specify that the animal is not left unattended until it has regained sufficient consciousness to maintain sternal recumbency.*

*8. Please specify that the animal that has undergone surgery is not returned to the company of other animals until fully recovered.*

Thank you very much for your comments. We added following contents in our revised manuscript:

3.8 Inject 0.75 mg/kg atipamezole hydrochloride intraperitoneally to help the mouse to recovery from the anesthesia more quickly. Put the mouse into an individual cage until fully recovered.

Note: Do not left the mouse unattended until it has regained sufficient consciousness to maintain sternal recumbency.