**Editorial comments:**  
  
The manuscript has been modified and the updated manuscript, **58604\_R1.docx**, is attached and located in your Editorial Manager account. **Please use the updated version to make your revisions.**  
  
1. Please take this opportunity to thoroughly proofread the manuscript to ensure that there are no spelling or grammar issues.

- The revised manuscript has been proofread thoroughly.

2. JoVE cannot publish manuscripts containing commercial language. This includes company names of an instrument or reagent. Please remove all commercial language from your manuscript and use generic terms instead. All commercial products should be sufficiently referenced in the Table of Materials and Reagents.

-Company names of instruments and reagents have been removed.

3. Please revise the text in Protocol to avoid the use of any personal pronouns (e.g., "we", "you", "our" etc.).

- The protocol has been revised by withdraw personal pronouns.

4. Step 2.2.4: Please write this step in imperative tense.

- The step has been revised in imperative tense.

5. 3.1: Please write this step in imperative tense. Please add more details about the measurement.

- This step has been revised in imperative tense, and more details on how to measure have been added.

6. 4.1.2: Please specify the dose of antibiotic and painkiller.

- The dose of antibiotic and painkiller has been specified in revised manuscript.

7. Being a video based journal, JoVE authors must be very specific when it comes to the humane treatment of animals. Regarding animal treatment in the protocol, please add the following information to the text:

a) Please mention how proper anesthetization is confirmed.

- Confirm the success of anesthesia by the lack of toe pinch withdrawal reflex. The description has been added in revised manuscript.

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

-Thank you for your remembering. Ophthalmic ointment has been used to prevent eyes from drying out while under anesthesia, and the description has been addressed in revised manuscript.

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

- Warm lamp, gentamicin, tramadol are used for survival strategies, and the description has been added in revised manuscript.

d) Discuss maintenance of sterile conditions during survival surgery.

- Survival surgery is performed in a sterile hood, and has been discussed in revised manuscript.

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

- A warm lamp is used to keep body temperature until animals regain consciousness, and this has been addressed in revised manuscript.

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

- Thank you for your remembering. Mouse is kept in single cage after surgery until fully recovered, and this has been emphasized in revised manuscript

g) Please do not highlight any steps describing euthanasia or anesthesia.

- Steps about anesthesia have not been highlighted in revised manuscript.