***Manuscript ID: JoVE59050 “The Left Pneumonectomy combined with Monocrotaline or Sugen as a Model of Pulmonary Hypertension in Rats”***

**Dear Dr. Wu**

We thank you for the careful review of our manuscript. We appreciate the feedback and have attempted to address all of the raised comments.Detailed responses to the comments can be found below. We hope that you will find our revised manuscript to be improved and to be acceptable for publication in *JOVE*.

Sincerely yours,

Lahouaria Hadri

**Response to Editorial Comments:**

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

**Response: We reviewed the manuscript and corrected spelling and grammar issues accordingly.**

2. The highlighted protocol steps are over the 2.75 page limit. Please highlight fewer steps for filming.

**Response: We highlighted fewer steps, removing post-operative recovery steps and some of step 2 (preparation of animal).**  
3. Please mention how proper anesthetization is confirmed.

**Response: In step 2.2 of the protocol, we clarified that the rat is properly anesthetized after 3-4 minutes when he is unconscious, breathing slowly, and unresponsive to touch or sound.**  
4. Please specify the use of vet ointment on eyes to prevent dryness while under anesthesia.

**Response: We did not add the use of vet ointment on eyes to prevent dryness**  
5. Discuss maintenance of sterile conditions during survival surgery.

**Response: In steps 3.2-3.4, we amended the protocol to include maintenance of the sterile conditions during survival surgery.**   
6. Please specify that the animal is not left unattended until it has regained sufficient consciousness to maintain sternal recumbency.

**Response: In step 5.1 of the protocol, we specified that the animal should not be left unattended until the animal can properly ambulate is safely in the cage.**  
7. Please specify that the animal that has undergone surgery is not returned to the company of other animals until fully recovered.

**Response: In step 5.5 of the protocol, we added that the animal should be kept in a cage, alone, away from other animals for at least 3 days.**  
8. Please do not highlight any steps describing euthanasia or anesthesia.

**Response: We specifically removed highlighting from any steps that described either euthanasia or anesthesia (see protocol).**  
9. Please use standard SI unit symbols and prefixes such as µL, mL, L, g, m, etc., and h, min, s for time units.

**Response: We went through the manuscript and amended any units that were not standard SI units, if it was possible. We kept units such as bpm, mm Hg, G (gauge), Fr (French), etc for lack of appropriate SI comparables.**   
10. Step 4.1.1: Please write this step in imperative tense.

**Response: We combined step 4.1.1. with step 4.1. to correct the passive tense.**