

April 20, 2021

Dear editor,

Please find attached files of revised manuscript in word format

**Title: Effects of Different PEEP and VT Controls on Lung Protection and Inflammatory Factors during Surgical Anesthesia**

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**Name of Journal:** World Journal of Clinical Cases

**Manuscript NO:** 78339

First of all, thank you for your careful guidance of this article. Revision has been made according to the suggestions of the reviewer:

**Reviewer: 06129070**

This is an interesting study of effects of different positive end expiratory pressures and tidal volumes on respiratory function, the degree of the inflammatory response and hemodynamic indexes in patients undergoing surgery under general anesthesia. The study is well designed and the results are interesting. The limit of the study should be discussed. No other comments. Thank you.

Answer: Thank you for your comments.

**Reviewer: 06129103**

The use of low volume tidal combined with a certain level of positive end expiratory pressure and allowing PaCO<sub>2</sub> to rise to a certain extent as a lung protection strategy, which can improve lung compliance and oxygenation function. And during mechanical ventilation, the alveolar epithelium was stimulated by mechanical traction and released a variety of inflammatory cytokines which promoted the activation of macrophages and neutrophils. Positive end expiratory pressure has been widely used in the treatment of acute lung injury and has achieved good clinical effects. In this study, the clinical effects of different ventilation modes were explored from a new perspective through comparisons among different groups to provide a theoretical and experimental basis for the safe implementation of mechanical

ventilation in elderly patients. The results of the study are very interesting, and well discussed. A minor revision is required. Comments: 1. The background in the abstract is too long, please short it. 2. Please take attention about the abbreviations. When an abbreviation first appears in the text, please spelling it. 3. Some minor language polishing should be revised.

Thank you for your advice.

After receiving the comments,

1. We shortened the background in the abstract section.
2. Made some minor language changes. Abbreviations has been updated accordingly.
3. Fixed some spelling issues.

Thank you again for publishing our manuscript in the World Journal of Clinical Cases.

Sincerely Yours,

Lu Zou