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PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 86209

Title: Clinical Evaluation of Ventilation Mode on Acute Exacerbation of Chronic Obstructive Pulmonary Disease with Respiratory Failure

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06060828
Position: Peer Reviewer
Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Canada

Author's Country/Territory: China

Manuscript submission date: 2023-06-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-07-06 02:50

Reviewer performed review: 2023-07-17 02:20

Review time: 10 Days and 23 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

As a chronic condition, COPD has been associated with significant morbidity and diminished quality of life for the affected individuals. AECOPD represents a significant event in the natural course of COPD which poses a substantial clinical and economic burden to the patients, healthcare providers, and healthcare systems worldwide. However, a number of factors must be considered when selecting the optimal ventilation mode and settings for the patients with respiratory failure due to AECOPD, including lung mechanics, gas exchange, and hemodynamic consequences. This study aimed to compare the clinical outcomes and examine the possible effects on patient outcomes associated with the two prevalent modes of mechanical ventilation, volume-controlled ventilation and pressure-controlled ventilation, in patients experiencing AECOPD and respiratory failure. The study is overall well designed and the results are interesting. The reviewer recommends to accept this manuscript after a minor revision. Comments: 1. The manuscript requires a minor editing. Some minor language polishing should be corrected. 2. Images should be updated. The resolution ratio is not so high. 3. The references should be edited and updated.

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Reviewer's code: 06140423
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Assistant Professor, Research Associate
Reviewer's Country/Territory: Germany
Author's Country/Territory: China

Manuscript submission date: 2023-06-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-07-04 09:48

Reviewer performed review: 2023-07-17 06:31

Review time: 12 Days and 20 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting study of the clinical evaluation of ventilation mode on acute exacerbation of COPD with respiratory failure. This study may help to provide more evidence-based guidance for clinicians to choose the optimal ventilation mode for these patients, in order to improve their survival and quality of life, and reduce mechanical ventilation-related complications. Good study, can be accepted for publication after an editing.