

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 80863

Title: Effectiveness of preoperative inspiratory muscle training after cardiac surgery: A systematic review and meta-analysis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06468675

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2022-11-12

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-30 04:38

Reviewer performed review: 2023-01-01 05:12

Review time: 2 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



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

SPECIFIC COMMENTS TO AUTHORS

Very interesting review with excellent text and with future directions

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Title: Effectiveness of preoperative inspiratory muscle training after cardiac surgery: A systematic review and meta-analysis

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Peer-review model: Single blind

Reviewer's code: 05466208

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor, Research Fellow

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2022-11-12

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-01-20 23:12

Reviewer performed review: 2023-01-22 18:16

Review time: 1 Day and 19 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" type="checkbox"/> Grade E: Do not publish
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Comment 1: Introduction is too large and away from the topic
 Comment 2: Not all the studies are up to the inclusion criteria.
 Comment 3: Conclusion assumptions are not correct based on the results of the outcomes
 Comment 4: Too many outcomes and insignificant to draw a robust conclusion.
 Comment 5: No details about the methods of the meta-analysis performed in the methods section
 Comment 6: Too many limitations without a trial of solving any of them.

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Title: Effectiveness of preoperative inspiratory muscle training after cardiac surgery: A systematic review and meta-analysis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02446043

Position: Editorial Board

Academic degree: FACC

Professional title: Lecturer

Reviewer's Country/Territory: Malaysia

Author's Country/Territory: China

Manuscript submission date: 2022-11-12

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-01-20 02:52

Reviewer performed review: 2023-01-28 02:47

Review time: 7 Days and 23 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is a well thought out, well conducted and well written metaanalysis to show that preoperative respiratory training may shorten hospitalization after cardiac surgery. The subject is important and practical. It should be accepted for publication.