

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 84161

Title: Dexmedetomidine-induced anesthesia in elderly patients undergoing hip replacement surgery

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06086895

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Research Associate

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2023-03-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-14 09:01

Reviewer performed review: 2023-03-27 12:09

Review time: 13 Days and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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 Grade E: Do not publish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 type="checkbox"/> Grade B: Good <input checked="" 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

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 type="checkbox"/> Grade A: Priority publishing <input checked="" 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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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

This is an interesting study of the anesthetic effect of dexmedetomidine in elderly patients undergoing hip replacement. The manuscript is well written. The reviewer recommends to accept this manuscript after a minor editing. Thank you.

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Manuscript NO: 84161

Title: Dexmedetomidine-induced anesthesia in elderly patients undergoing hip replacement surgery

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06110778

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2023-03-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-20 02:18

Reviewer performed review: 2023-03-27 12:15

Review time: 7 Days and 9 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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 type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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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

Dexmedetomidine is a highly selective α_2 receptor agonist, which has a good effect in reducing the body's stress response and stabilizing the patient's intraoperative hemodynamics. Therefore, it has a good application prospect in perioperative organ protection. However, the application effect of dexmedetomidine in anesthesia of elderly patients with hip replacement is not completely clear. This study is designed to analyze the anesthetic effect of dexmedetomidine in elderly patients with hip replacement. This study is well performed and the results are very interesting. Minor comments: 1. The manuscript requires a minor editing. Some minor language polishing should be corrected. 2. The abstract should be revised. A short background should be added and the results section in the abstract is too long. Please only keep the key findings in this section. 3. The limit of the study should be discussed. 4. The references list should be edited and updated.