

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 87170

Title: "Artificial intelligence" technology and ultrasound-guided nerve block for analgesia in total knee arthroplasty

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06143786

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2023-08-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-21 08:19

Reviewer performed review: 2023-08-30 09:44

Review time: 9 Days and 1 Hour

	[] Grade A: Excellent [] Grade B: Very good [Y] Grade C:
Scientific quality	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	[] Grade D: Fair [] Grade E: Do not publish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	[Y]Yes []No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [] Onymous Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

In this study, a total of 92 patients with TKA were opted and divided into two groups according to the treatment regimen. The control group received combined spinal-epidural anesthesia. The research group received "artificial intelligence" technique combined with ultrasound-guided nerve block anesthesia. The sensory block time, motor block time, VAS at different time points and complications were contrasted between the two groups. The authors found that in TKA, the combination of "artificial intelligence" technology and ultrasound-guided nerve block has a remarkable effect, with fewer postoperative complications and remarkable analgesic effect, which is worthy of application. This study is well designed and the results are interesting. Comments: 1. Some minor language polishing should be corrected. 2. The images should be updated. More clear images should be provided. 3. The authors should short the discussion. 4. References should be edited.



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Title: "Artificial intelligence" technology and ultrasound-guided nerve block for analgesia in total knee arthroplasty

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06143750

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: China

Manuscript submission date: 2023-08-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-18 09:49

Reviewer performed review: 2023-08-30 10:09

Review time: 12 Days

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





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Re-review	[Y]Yes []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 AI technology and ultrasound-guided nerve block for analgesia in total knee arthroplasty. The manuscript is well written. After a minor editing, it can be accepted for publication.