# 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

<table>
<thead>
<tr>
<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[ ] Grade B: Very good</th>
<th>[Y] Grade C: Good</th>
<th>[ ] Grade D: Fair</th>
<th>[ ] Grade E: Do not publish</th>
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<tr>
<td>Novelty of this manuscript</td>
<td>[ ] Grade A: Excellent</td>
<td>[Y] Grade B: Good</td>
<td>[ ] Grade C: Fair</td>
<td>[ ] Grade D: No novelty</td>
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<td>Creativity or innovation of this manuscript</td>
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<td>[Y] Grade B: Good</td>
<td>[ ] Grade C: Fair</td>
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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.
**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:** 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

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<td>Scientific significance of the conclusion in this manuscript</td>
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<td>Language quality</td>
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<td>[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection</td>
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<td>Conflicts-of-Interest</td>
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**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.