

PEER-REVIEW REPORT

Name of journal: *World Journal of Orthopedics*

Manuscript NO: 89376

Title: Single-center experience with Knee+™ augmented reality navigation system in primary total knee arthroplasty

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03485016

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chief Doctor, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Greece

Manuscript submission date: 2023-10-29

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-30 16:26

Reviewer performed review: 2023-12-10 14:28

Review time: 9 Days and 22 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 Grade E: Do not publish
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

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 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

This manuscript reported a single-center experience with knee+™ augmented reality (AR) navigation system in performing primary TKA for 30 patients. The results revealed the efficacy of AR navigation system in assistance of achieving precise axial alignment. The manuscript is of good quality and also presents its unique insights. However, high-level prospective studies are required to further assess its accuracy, reliability and cost-effectiveness compared to conventional techniques. There is supposed to be a mistaken label of X-axis in the left graph of tibia varus data in Table 4.

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Title: Single-center experience with Knee+™ augmented reality navigation system in primary total knee arthroplasty

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Peer-review model: Single blind

Reviewer's code: 05400589

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor, Chief Doctor, Postdoc

Reviewer's Country/Territory: China

Author's Country/Territory: Greece

Manuscript submission date: 2023-10-29

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-12-05 14:36

Reviewer performed review: 2023-12-15 12:41

Review time: 9 Days and 22 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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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

The authors have do the very novel technique for TKA, I think, AR will be widely usely soon. It is suitable for publication.