

PEER-REVIEW REPORT

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Title: The Jumbo Cup in hip joint renovation may cause the center of rotation to increase

Reviewer's code: 06086896

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

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Reviewer chosen by: AI Technique

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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 Grade E: Do not publish
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



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SPECIFIC COMMENTS TO AUTHORS

General comments Compared with other acetabulum renovations, there are several advantages to the use of jumbo cups. However, compared with the primary acetabulum, the diameter of the Jumbo cup is greater, which may cause elevation of the center of the hip joint. In the present study, authors discuss the application of the Jumbo Cup via observing how high the elevation of the center of the hip joint is and its significance in imaging X-rays. This study can add important information to the current literature. Based on their findings, they suggested that applying a jumbo cup in revision THA increases the height of the rotational center of the hip joint, but it is feasible and effective to utilize Jumbo Cups in revision THA with a limited height. The experiment of the study is designed very well, aims are very clear. Methods are reasonable. Data in figures and tables are very good, and well discussed. All imaging measurements were performed by one experimenter, this operation avoids bias. Specific comments 1. The subtitle needs to be revised. After reading your article carefully, it turns out that the study has studied a total of 88 patients instead of 36. 2. The introduction part can be modified to make the article more organized. 3. The discussion part should not repeat the content of the introduction and the results part, but a fuller and more detailed interpretation and discussion of the existing results. Thank you for giving opportunity to review this study.