

PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 84997

Title: Effects of Surgical Treatment Modalities on Postoperative Cognitive Function and Delirium in Elderly Patients with Extremely Unstable Hip Fractures

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06520883

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor, Research Scientist

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2023-05-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-05-09 03:37

Reviewer performed review: 2023-05-17 08:29

Review time: 8 Days and 4 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 Grade E: Do not publish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 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 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

The article with the title “Effect of Surgical Treatment Modalities on Postoperative Cognitive Function and Delirium in Older Adults with Extremely Unstable Hip Fractures” is in generally well done. Title: Appropriate. It reflects the main content of the research. Authorship: Is correct. Institutions: are correct. Authors contribution is correct. Abstract: In 291 words authors showed a summary of the content of the manuscript. However, it’s not a structured abstract according to the required format and needs to be revised. Key words: 5 that reflect the content of the study. Core Tip: Missing. Please write a summary of the content of this article in less than 100 words and attract the attention of the readers. Background: It is a clinical study with a high importance for the clinical practice. The surgical treatment modality for elderly EUHF patients is mostly determined based on the fracture type, which seriously affecting their quality of life. Method: Authors made the detailed description of the investigations. Results: Authors demonstrated that with comparable efficacy in fracture healing to the conventional treatment, the new treatment modality has some clinical advantages, such as less IBL, faster functional recovery, more optimized perioperative quality control, improved

postoperative cognitive function, mitigated postoperative delirium, and reduced operation-related adverse events. Discussion: Authors made a detailed an informative discussion of the results. Illustrations: They show 4 figures and 2 tables with their corresponding legend. All figures are showing clearly making and adequate support of the results. Biostatistics: This work met the requirements of biostatistics. References: Authors cited properly actualized references of high interest for their propose in introduction and discussion Organization of the study: It was properly organized Research method reporting. And it is of great significance to optimize the diagnosis and treatment experience of elderly patients with EUHFs and propose effective solutions.

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Reviewer's code: 06519869

Position: Peer Reviewer

Academic degree: FIAC, MD, PhD

Professional title: Assistant Professor, Senior Researcher

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

Manuscript submission date: 2023-05-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-05-08 00:38

Reviewer performed review: 2023-05-18 00:07

Review time: 9 Days and 23 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
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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 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

I read the manuscript written by Zhou X and others with great interest. In my honest opinion, the topic is interesting and the retrospectively studies novel enough to attract the readers' attention. MDT is a diagnosis and treatment model that gathers the backbones of EUHF-related departments, which can tailor personalized examination and treatment plans for patients, with the goal of improving patients' diagnosis and treatment experience and enhancing treatment efficacy. They compare the clinical effects of the two surgical treatment modalities through a clinical cohort study, to optimize and scientifically guide clinical treatment. Nevertheless, the authors should clarify some points and improve the discussion citing relevant and novel key articles about the topic. I have just some minor comments. 1. Please re-write the abstract, it needs to be structured. 2. English language needs correction.