

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 68530

Title: Cortical bone trajectory fixation in cemented vertebrae in lumbar degenerative disease: A case report

Reviewer's code: 05928723

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Chief Physician, Surgeon

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2021-05-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-05-29 09:42

Reviewer performed review: 2021-06-05 14:11

Review time: 7 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 Grade E: Do not publish
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 type="checkbox"/> Minor revision <input checked="" 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

It is an interesting topic in osteoporotic vertebral compression fracture. This case report provided a solution for internal fixation of cemented vertebrae after vertebroplasty and has clinical application value. The case are well presented. The discussion well-articulated with the case. However, there are some concerns that need to be addressed. 1. As the authors mentioned, the use of hybrid screws has increased the difficulty of rod placement. To avoid it and for the perspective of increasing the strength of the instrumentation, why not use CBT screws in all segments? 2. Is there any impact on the strength of the hybrid instrumentation compared with traditional pedicle screws fixation? 3. Indications for the technique used in this case need to be discussed. Usually, part of the CBT screw needs to be inserted into the vertebral body. If there is a large amount of cement fulfilling all the vertebral body, can CBT procedure be used? Is there any requirement for cement injection volume with this technique? 4. Elderly patients have a high risk of failure after lumbar instrumentation, especially those over 80 years of age with osteoporosis, cement screws can be used to enhance fixation. Have the authors considered the risk of implant failure without the cement enhancing technique? 5. In Case Description, maybe it's better to change "L3 neuron" to "L3 nerve", so as to the following parts of the article.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Cases

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Reviewer's Country/Territory: China

Author's Country/Territory: China

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Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2021-06-28 05:43

Reviewer performed review: 2021-06-29 14:51

Review time: 1 Day and 9 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
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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 responded well to the reviewer's suggestion and made appropriate revision. So I suggest it be published.