



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 62934

Title: Predictive risk factors for the recollapse of cemented vertebrae after percutaneous vertebroplasty: A meta-analysis

Reviewer's code: 03365531

Position: Editorial Board

Academic degree: PhD

Professional title: Doctor, Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2021-01-21

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-01-21 19:46

Reviewer performed review: 2021-01-26 18:59

Review time: 4 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 Grade E: Do not publish
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 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

Title: OK Abstract: OK Introduction: This statement is too general: Even so, the vertebral body that is strengthened via PVP is likely to collapse again. Is better to state the percentage of recollapse according to the literature. Nevertheless, the main thing I miss in this introduction is an accurate definition of recollapse. How recollapse is defined in the literature and when to consider it a significant finding to be treated. Materials and methods: OK Results: Risk Factors Involving the PVP Procedure pg 6. When the authors state that the solid lump pattern of distribution of the cement is associated with vertebral body re-collapse, I think that the readers would be interested in Knowing which cement distribution patterns are not associated with re-collapse. Therefore, I recommend to also state these patterns. Discussion: In general, the discussion section is too long and must be summarized focusing in the main point and sending to the reader clear messages. First paragraph. When the authors say that recollapse is considered a pathological fracture, probably is better to say that is considered an insufficiency fracture, because no malignancy is in the affected vertebral body. Second paragraph. The authors refer to a previous metanalysis thar included both PVP and KP. This is an opportunity to sate the main findings found in that metanalysis compared with the current work. Fourth paragraph. The authors state that The IVC is seen as a sign of avascular necrosis. I think there is not universal agreement about that, because the cleft may simply indicate the presence of intravertebral instability. Sixth paragraph. The authors state: Thus, if predictive risk factors for recollapse are identified preoperatively, surgical fixation and restoration should be considered as the initial treatment for OVCFs I think this statement is too simplistic and needs to be nuanced. I don't think that all vertebral fractures with a cleft or in the thoracolumbar junction could not be treated by vertebroplasty. References: ok



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Figures and Tables: OK Statement: This is a well written metanalysis. Some points need to be clarified to make the article more understandable to the readers. Shortening of the discussion focusing on the main messages may also make the article more attractive to the readers.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2021-01-21

Reviewer chosen by: Han Zhang (Part-Time Editor)

Reviewer accepted review: 2021-02-19 06:45

Reviewer performed review: 2021-02-21 18:11

Review time: 2 Days and 11 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input 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 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 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 type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



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This is a well written metanalysis. Most of the queries have been addressed and I consider the article suitable for publication in the World Journal of Clinical Cases.