

PEER-REVIEW REPORT

Name of journal: *World Journal of Orthopedics*

Manuscript NO: 74397

Title: Role of Joint Aspiration before Re-implantation in Patients with a Cement Spacer in Place

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02742751

Position: Editorial Board

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: Spain

Manuscript submission date: 2021-12-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-02 06:27

Reviewer performed review: 2022-01-02 06:53

Review time: 1 Hour

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 Grade E: Do not publish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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 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
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SPECIFIC COMMENTS TO AUTHORS

Dear Associate Editor Thank you for sending me the article entitled “Role of joint aspiration before re-implantation in patients with a cement spacer in place” for review. This retrospective study evaluated the role of joint aspiration before re-implantation in patients with a cement spacer already in place. In 41 studied subjects only 5 had positive intra-operative cultures taken during the re-implantation surgery were positive. The authors suggested that joint aspiration before re-implantation in patients with a cement spacer in place is not mandatory. Although the numbers of cultures were positive in a minority of patients, the success rate of the surgery depends highly on the sterility of the joint space. We should consider the failure rate and morbidity of the joint re-implantation in cases with positive culture. More detailed comparisons between the two groups regarding the rate of post operative morbidity and costs should be performed to define the necessity for joint aspiration in re-implantation state. I believe aspiration before re-implantation could reduce morbidity and costs in the high risk patients for developing septic arthritis. Like those with diabetes mellitus, consumption of steroids and immunosuppressive medications, and underlying diseases (such as chronic kidney disease/cirrhosis). These considerations should be assessed before deciding which patient is suitable for joint aspiration and which one is not a candidate.

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03067067

Position: Editorial Board

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Austria

Author's Country/Territory: Spain

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-04 07:45

Reviewer performed review: 2022-01-10 10:46

Review time: 6 Days and 3 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
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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
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**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

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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see Specific Comments To Authors (File):