

PEER-REVIEW REPORT

Name of journal: *World Journal of Orthopedics*

Manuscript NO: 69550

Title: Prosthetic joint infection of the hip and knee due to Mycobacterium species: A systematic review

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05198253

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Academic Research, Chief Doctor, Doctor, Research Scientist

Reviewer's Country/Territory: China

Author's Country/Territory: Indonesia

Manuscript submission date: 2021-07-04

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-03 01:40

Reviewer performed review: 2021-08-04 12:31

Review time: 1 Day and 10 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 Grade E: Do not publish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 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 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

SPECIFIC COMMENTS TO AUTHORS

It is an interesting study. The authors conducted a systematic and comprehensive retrospective evaluation on knee/hip prosthetic joint infections caused by Mycobacterium Species, summarized the common Mycobacterium sp pathogens and their distribution ratios, and concluded the relevant treatment methods and clinical outcomes, which have clinical significance. However, the current version is not suitable for publication and many problems need to be carefully revised by the authors. 1.

After the full text has been polished by the polishing company, all the revised process and remarks are still presented in the article, and the authors should make changes according to those remarks and upload the final revised version instead of uploading an unfinished version. 2. Please revise and adjust the format carefully for figure 1. In

addition, figure 2 4 5 is too elementary, I hope the author will further beautify and revise it. 3. In Table 2, p-values should be presented comparatively for each data instead

of sharing one value for several data, such as onset time > 3 months and < 3 months

4. Although the authors mentioned in the discussion section that they only used one database for literature search due to their long-time span (30 years), since this paper is a systematic analysis, I still strongly suggest the authors to use at least one more database for search, such as Embase, WOS, etc., to avoid losing important references. 5. The

results section does not describe the literature search process, that is to say, it does not elaborate on the content of Figure 1. 6. The discussion section is too brief and is

clearly substandard for a systematic review. The authors need to discuss in depth the comparison with other infectious organisms (percentage of infection, treatment modality, time of onset, clinical outcome). 7. In addition, in the direction of treatment, the

authors should develop further discussion on which treatment regimen is the most appropriate in each type of case, with the highest bacterial control rate and the highest survival rate. Beside this, it would be advisable to make a flow chart of the confirmation of the diagnosis of *Mycobacterium* sp of the knee and hip as an aid to the discussion part.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Professional title: Academic Research, Chief Doctor, Doctor, Research Scientist

Reviewer's Country/Territory: China

Author's Country/Territory: Indonesia

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Reviewer chosen by: Jing-Jie Wang (Online Science Editor)

Reviewer accepted review: 2021-12-18 12:15

Reviewer performed review: 2021-12-24 04:30

Review time: 5 Days and 16 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Accept