



PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 47803

Title: Good accuracy of the alpha-defensin lateral flow test for hip periprosthetic joint infection: A pilot study in a retrospective cohort of 52 patients

Reviewer’s code: 02454185

Position: Editorial Board

Academic degree: BSc, MSc

Professional title: Doctor

Reviewer’s country: China

Author’s country: Netherlands

Reviewer chosen by: Ying Dou

Reviewer accepted review: 2019-03-26 01:49

Reviewer performed review: 2019-03-26 02:15

Review time: 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-223-8242
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

The study addressed an important question in orthopedics; The development of reliable diagnostic tool for identifying PJI is very important; however, the major limitation of the study is the limited sample size, though it may be difficult to collect much more sample size to address the question. specific comments are as follows: 1. The 52 patients cohort may not be representative of the target population, thus I suggest to compare baseline characteristics between the included 52 patients and the excluded 31 ones. because the target population should be patients suspected to have PJI. furthermore, the definition of inclusion/exclusion criteria were not explicitly specified. this is important for the results to be generalized to other populations. 2. what is the indication for performing ADLF in your institution, as a significant number of patients did not have this test; this can introduce selection bias is not properly addressed. 3. "and excluded if medical record data were incomplete."---this description is vague; what did you mean by incomplete? what is incomplete; will a patient with missing value on age or gender be excluded? furthermore, there are sophisticated methods to deal with missing data. suggest to discuss this as a limitation by citing some useful reference (Ann Transl Med. 2016 Jan;4(1):9. doi: 10.3978/j.issn.2305-5839.2015.12.38.).

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

- The same title



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Name of journal: World Journal of Orthopedics

Manuscript NO: 47803

Title: Good accuracy of the alpha-defensin lateral flow test for hip periprosthetic joint infection: A pilot study in a retrospective cohort of 52 patients

Reviewer’s code: 03068667

Position: Editorial Board

Academic degree: MD

Professional title: Associate Professor, Doctor

Reviewer’s country: Thailand

Author’s country: Netherlands

Reviewer chosen by: Ying Dou

Reviewer accepted review: 2019-04-16 08:49

Reviewer performed review: 2019-04-18 01:53

Review time: 1 Day and 17 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
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			<input checked="" type="checkbox"/> No

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Dear Authors, This is a good study to show the good accuracy of ADLF test and this study is better than previous study because of comparison with ICM criteria. The readers can use the ADLF test in ICM criteria with confident (easier, faster the alpha-defensin immunoassay test).

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