



PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 42717

Title: Allergy in total knee replacement surgery: Is it a real problem?

Reviewer's code: 02456365

Reviewer's country: China

Science editor: Fang-Fang Ji

Date sent for review: 2018-10-07

Date reviewed: 2018-10-07

Review time: 3 Hours

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 type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Well written paper with comprehensive review regarding metal hypersensitivity of TKA.
Great work.

INITIAL REVIEW OF THE MANUSCRIPT



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PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 42717

Title: Allergy in total knee replacement surgery: Is it a real problem?

Reviewer's code: 02702057

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2018-10-07

Date reviewed: 2018-10-08

Review time: 1 Day

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 type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Manuscript titled "Allergy in total knee replacement surgery: is it a real problem?" deals an important issue of clinical orthopedics. The present review aimed to provide an overview on diagnosis and management of metal hypersensitivity in patients who undergo a TKA in order clarify its real importance. This is a well written interesting



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article; however, some minor revisions are needed before to accept for publication. First sentence, missing a reference, please quote the following appropriate citation: Clinical evidence of traditional vs fast track recovery methodologies after total arthroplasty for osteoarthritic knee treatment. A retrospective observational study. Muscles Ligaments Tendons J. 2018 Jan 10;7(3):504-513. The introduction section is lack of important information. Please improve the state of the art discussing different aspect of osteoarthritis, the first cause for total knee replacement surgery. Please discuss and quote the following papers. Ameliorative effects of PACAP against cartilage degeneration. Morphological, immunohistochemical and biochemical evidence from in vivo and in vitro models of rat osteoarthritis. Int J Mol Sci. 2015 Mar 13;16(3):5922-44. Physical activity ameliorates cartilage degeneration in a rat model of aging: a study on lubricin expression. Scand J Med Sci Sports. 2015 Apr;25(2):e222-30. To help better readers understanding, immediately, the aim of this review, I suggest to add some figures or a graphical abstract. In the conclusion please specify the clinical relevance of your work and some important suggestions for the scientific community.

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[Y] No



PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 42717

Title: Allergy in total knee replacement surgery: Is it a real problem?

Reviewer's code: 01220036

Reviewer's country: United States

Science editor: Fang-Fang Ji

Date sent for review: 2018-10-07

Date reviewed: 2018-10-09

Review time: 1 Day

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 type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input checked="" 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 type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input checked="" type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input checked="" type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

poorly written-for it one considered entire manuscript needs to be re written

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PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 42717

Title: Allergy in total knee replacement surgery: Is it a real problem?

Reviewer's code: 02691156

Reviewer's country: Greece

Science editor: Fang-Fang Ji

Date sent for review: 2018-10-07

Date reviewed: 2018-10-14

Review time: 7 Days

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 type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
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		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The title is referring directly to the problem at hand. The abstract is sufficient. Key words reflect the focus of the manuscript. Introduction is clear. Material and Methods are missing. Authors describe their work as review but do not report what they assess or evaluate. Results is missing. Discussion also is missing, although part of it is included to



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the various subchapters, Limitations the non-reference to the work being evaluated deprives the reader of knowledge of these tasks, which are not replaced by reference to references The authors conclude “[...] in cases of positive history and positive tests a hypersensitivity-friendly implant should be considered. However, there is still a lack of evidence regarding correlation between metal hypersensitivity and implant related complications.” References are cited appropriately the latest references in the introduction and discussion sections, while the submitted manuscript is supported by 50 references. The submitted manuscript is dealing with the “Allergy in total knee replacement surgery: is it a real problem?” is describing clearly the signs and symptoms of the condition which is a rare phenomenon as well as the aetiology and therapy. Material and methods, Results and Discussion are missing thus weakens its value. The submitted manuscript needs revision in order to be accepted for publication in the WJO.

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