

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 46752

**Title:** Elevated levels of interleukin-1 $\beta$ , interleukin-6, tumor necrosis factor- $\alpha$  and vascular endothelial growth factor in patients with knee articular cartilage injury

**Reviewer's code:** 03976790

**Reviewer's country:** France

**Science editor:** Fang-Fang Ji

**Reviewer accepted review:** 2019-02-24 08:21

**Reviewer performed review:** 2019-02-28 13:34

**Review time:** 4 Days and 5 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:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" 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

Comments on the manuscript entitled "Elevated Levels of IL-1 $\beta$ , IL-6, TNF- $\alpha$  and VEGF in Patients with Knee Articular Cartilage Injury" The study presented in this manuscript is to explore the expression profiles of IL-1 $\beta$ , IL-6, TNF- $\alpha$  and VEGF in cases



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of knee cartilage injury. The purpose is to evaluate their significance in this disease, and to use them such as biomarkers of the disease. The study has been correctly done; nevertheless, the manuscript needs any improvements. Patients and methods: - Patients The total number of patients is given, but it would be useful to know the number of males and females. What were the parameters of blood centrifugation? Number of g? Duration? - Immunohistochemical staining The technique is described but several specificities lack. - After blocking: what is blocked? The endogenous peroxidases? - What is the method used? Reading the text, it seems to be an indirect immunohistochemical staining with a secondary antibody labeled with enzyme, probably peroxidase for DAB is used such as a chromogen. But this method must be specified: how the secondary antibodies are labeled? With peroxidase? With avidin-biotin complex? How is obtained the staining? - what are the origins of primary and secondary antibodies? - what is the mounting medium used for stained sections? Results It would be useful to add a figure with micrographs of at least a single marker (chosen by the authors) with the different aspects in different grades. Figure 5: In the legend, indicate what is A and B.

## INITIAL REVIEW OF THE MANUSCRIPT

### *Google Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

### *BPG Search:*

- ☐ The same title



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[Y] No

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**Manuscript NO:** 46752

**Title:** Elevated levels of interleukin-1 $\beta$ , interleukin-6, tumor necrosis factor- $\alpha$  and vascular endothelial growth factor in patients with knee articular cartilage injury

**Reviewer's code:** 01299180

**Reviewer's country:** United States

**Science editor:** Fang-Fang Ji

**Reviewer accepted review:** 2019-02-25 02:51

**Reviewer performed review:** 2019-03-04 03:13

**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:
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			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

This is a nice piece of research: very well-written and the data are well-organized. Fig. 3.

It is hard to imagine that the differences of IL-6 as shown in Fig.3 are actually significant.



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