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ESPS Peer-review Report

Name of Journal: World Journal of Experimental Medicine

ESPS Manuscript NO: 4365

Title: MECHANOTRANSDUCTION IN BONE: INTERVENING IN HEALTH AND DISEASE

Reviewer code: 02446104

Science editor: Song, Xiu-Xia

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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

In this review, the authors discussed the molecules that have been found to be implicated in mechanotransduction, the mechanisms underlying bone health and disease as well as the model systems currently used in mechanotransduction studies. In general, it is a very interesting review and the whole article is well-organized. All sections are clearly written and provide necessary information for understanding the discussion. There are some issues that the authors should address. 1. Some references in this review are a little old, please renew and cite recent references. 2. It has been proven that OPG/RANKL/RANK system plays important roles in regulating OB and OC activated balance, preventing bone loss and ensuring the bone regeneration. It would be more helpful and full if the authors discuss the role of this system in bone remodeling.