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PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 33244

Title: Skeletal muscle generated from induced pluripotent stem cells - induction and application

Reviewer's code: 02446280

Reviewer's country: Russia

Science editor: Jin-Xin Kong

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

The manuscript entitled "Skeletal muscle generated from induced pluripotent stem (iPS) cells - induction and application" is well written and interesting for readers. However, I would recommend to update section 5 "Heterogeneity of human iPS clones in differentiation potential". Ref 26 is outdated because same group demonstrated later that isogenic iPSC clones were indistinguishable for isogenic ESC (Choi et al 2015). It was also demonstrated that there was no somatic memory in completely reprogrammed iPSCs generated from various isogenic somatic cell types and "the best iPSC clone" selection criteria was suggested (Shutova et al, 2016) and scorecards for ipSCs utility were also introduced (Bock et al 2011).