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ESPS Peer-review Report

Name of Journal: World Journal of Nephrology

ESPS Manuscript NO: 10765

Title: Kidney regeneration: where we are and future perspectives

Reviewer code: 00503272

Science editor: Fang-Fang Ji

Date sent for review: 2014-04-18 16:22

Date reviewed: 2014-06-09 19:27

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATI ON	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input 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	BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

This is well written manuscript on kidney bioengineering. The authors should, however, address the following: What is ECM on line 9 of the abstract page? Page 6 paragraph 1, line 5: what is Pax-2? Page 6 paragraph 2, line 6: what is IGF-1? These abbreviations should be defined.



ESPS Peer-review Report

Name of Journal: World Journal of Nephrology

ESPS Manuscript NO: 10765

Title: Kidney regeneration: where we are and future perspectives

Reviewer code: 02270424

Science editor: Fang-Fang Ji

Date sent for review: 2014-04-18 16:22

Date reviewed: 2014-06-09 19:27

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

COMMENTS TO AUTHORS

This is a comprehensive and thoughtful review on the topic of kidney regeneration that should be accepted for publication.

However, there are some minor issues that need to be addressed prior to publication.

1. The authors state that renal progenitors have not been tested in chronic kidney disease. This is not correct as human nephron progenitors isolated from human fetal kidney have been shown to prevent progression of chronic renal injury. Pls see EMBO Mol Med. 2013 Oct;5(10):1556-68. This should be added and discussed..

2. The scientific reasoning for utilizing the adult kidney as source of kidney-forming cells is that the adult kidney can give rise to clonogenic precursors IN VIVO and IN VITRO. Pls see Cell Rep. 2014 May 22;7(4):1270-83 and Am J Pathol. 2013 Nov;183(5):1621-33. These should be added and discussed. .

3. The authors should address the platform of generating kidney tissue by embryonic rudiments. For instance [Nat Med](#). 2003 Jan;9(1):53-60. This should be added and discussed.



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Following these modifications the paper can be accepted.