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ESPS Peer-review Report
Name of Journal: World Journal of Clinical Urology
ESPS Manuscript NO: 10971
Title: Mesenchymal Stem Cells for Kidney Transplantation
Reviewer code: 02445937
Science editor: Fang-Fang Ji
Date sent for review: 2014-04-29 12:15
Date reviewed: 2014-05-05 02:12

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[Y] Grade A (Excellent)	[Y] Grade A: Priority Publishing	Google Search:	[ ] Accept
[ ] Grade B (Very good)	[ ] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[Y] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS TO AUTHORS

The review article nicely summarizes MSC and organ transplantation. This review article is well-written, and the reviewer has only a few minor comments below. 1: In page 6, the authors cover MSC and GVHD. Though the MSC's beneficial effects on GVHD were shown in small studies, a large clinical trial failed to demonstrate the beneficial effects of MSC on GVHD (Cytotherapy 15:2–8.). Please discuss this study also. 2: In page 9, the authors cover iNOS and IDO as key immunosuppressive mediators of MSCs; however, iNOS plays a key role in murine MSC, whereas IDO is the key molecule in human MSC (Stem Cells 27:1954–1962.; Cell Stem Cell 2:141–150.). This is very important and please discuss it also.

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ESPS Peer-review Report
Name of Journal: World Journal of Clinical Urology
ESPS Manuscript NO: 10971
Title: Mesenchymal Stem Cells for Kidney Transplantation
Reviewer code: 00227429
Science editor: Fang-Fang Ji
Date sent for review: 2014-04-29 12:15
Date reviewed: 2014-05-05 17:04

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[Y] Grade A (Excellent)	[Y] Grade A: Priority Publishing	Google Search:	[Y] Accept
[ ] Grade B (Very good)	[ ] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[ ] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS TO AUTHORS
The Review by Coates et al. is well written, comprehensive and up-to-date. I think that it will be useful to a broad readership interested in an update on the most recent therapeutic strategies concerning control of immune-related renal graft complications. I suggest publication of this review without modifications.

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ESPS Peer-review Report
Name of Journal: World Journal of Clinical Urology
ESPS Manuscript NO: 10971
Title: Mesenchymal Stem Cells for Kidney Transplantation
Reviewer code: 00505327
Science editor: Fang-Fang Ji
Date sent for review: 2014-04-29 12:15
Date reviewed: 2014-05-06 22:58

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A (Excellent)	[Y] Grade A: Priority Publishing	Google Search:	[ ] Accept
[Y] Grade B (Very good)	[ ] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[Y] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS TO AUTHORS

The manuscript by Lett et al. discusses nicely different approaches for immunosuppression to prevent allograft rejection. The authors focus on mesenchymal stem cells as alternative to other approaches of immunosuppression and advantages for their application. Although the review is comprehensive and covers all the approaches available for immunosuppression, more detail regarding application of MSCs should be discussed. The following are few points that authors could consider including n their review: 1. Please discuss how you would envision MSCs being delivered as immunosuppressive agents in kidney transplantation; systemically, locally or targeting them to kidneys. 2. How do MSCs display their immunosuppressive ability, please discuss mechanisms by which MSCs carry out their immunosuppressive activity. What factors do they secrete that aid in this activity?

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ESPS Peer-review Report
Name of Journal: World Journal of Clinical Urology
ESPS Manuscript NO: 10971
Title: Mesenchymal Stem Cells for Kidney Transplantation
Reviewer code: 00505392
Science editor: Fang-Fang Ji
Date sent for review: 2014-04-29 12:15
Date reviewed: 2014-05-13 00:29

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A (Excellent)	[ ] Grade A: Priority Publishing	Google Search:	[ ] Accept
[Y] Grade B (Very good)	[Y] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[Y] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS TO AUTHORS

Lett et al have written a very good review on the state of Mesenchymal stem cells in kidney transplantation. The review is concise and easy to read but it would be much stronger if the authors would dwell some more on the biology and mechanisms of MSC, which provide the potential therapeutic effect, looking outside of strict medical literature and providing their own personal view on the future of this approach. Small editing points: Lines 80-83: However these naive T cells can be converted to Tregs in vitro using TGF-beta induction of FoxP3[15], thus providing a second source of Tregs for cell therapy. Line 149, multipotent or pluripotent? Line 200, capitalize beginning sentence Line 225, clarify sentence Line 251, MSCs have Line 255 last word Lines 267-269 this is an unfinished sentence or unfinished thought Line 285 significant