



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

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Title: Application and prospect of adipose stem cell transplantation therapy of lymphedema

Reviewer's code: 02559247

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor, Senior Researcher

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-02-27 08:10

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

The article is interesting and well written. It is necessary to improve the different fields in which Stem Cells therapy and biotechnology are used, adding the different clinical application of Adipose derived mesenchymal Stem Cells (AD-MSCs), Stromal Vascular Fraction Cells (SVFs), in regenerative surgery. For this reason it is necessary to report, in addition to the clinical results in lymphedema also the field in which the SVFs and AD-MSCs improved the wound healing when used alone or in combining with hyaluronic acid, platelet rich plasma and fat graft, discussing the similar biomolecular pathway between wound healing and lymphedema. On this regard, the authors may add new paragraph and the following references: -wound healing and soft tissue defect- (About PRP in wound healing with Hyaluronic acid) doi: 10.1097/01.ASW.0000396302.05959.d3. doi: 10.1111/iwj.12117. Epub 2013 Jul 9. (About PRP and fat graft) doi: 10.1097/GOX.0000000000000285 doi: 10.1002/term.2139. doi: 10.1002/stem.2498 -soft tissue defects- doi: 10.1093/asj/sjz292 doi: 10.3390/jcm8040504 doi: 10.3390/cells8030282 doi: 10.3390/ijms20215471 doi: 10.3390/jcm8060855 doi: 10.2217/rme-2017-0076 doi: 10.1097/01.scs.0000436746.21031.ba doi: 10.1177/1553350611421022