

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 55994

Title: Challenges and strategies in the management of chronic venous leg ulcers

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: Jia-Ping Yan

Reviewer accepted review: 2020-06-21 16:52

Reviewer performed review: 2020-06-21 17:06

Review time: 1 Hour

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 Grade E: Do not publish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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" 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

SPECIFIC COMMENTS TO AUTHORS

The article is interesting. It is necessary to improve the field of Stem Cells therapy and biotechnology, adding the different clinical application of Adipose derived mesenchymal Stem Cells (AD-MSCs), Stromal Vascular Fraction Cells (SVFs), Human Follicle Stem Cells (HFSCs) and autologous growth factors like to Platelet Rich plasma (PRP) in regenerative surgery. For this reason it is necessary to report, in addition to the results obtained in wound healing with these biotechnology (see below the references to add and discuss), 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 for example between wound healing and hair regrowth. On this regard, the authors may add the following references: About biotechnology, PRP and dermal substitutes in wound healing: doi: 10.3390/ijms21020431 doi: 10.3390/jcm8091486 doi: 10.3390/jcm8040525 doi: 10.1111/iwj.12912 doi: 10.1177/2041731413502663 doi: 10.1177/1553350611421022 (About PRP and fat graft and Adipose derived-MSCs) doi: 10.3390/jcm8060855 doi: 10.1002/term.2139 doi: 10.1002/stem.2498 doi: 10.1007/978-1-4939-7799-4_9 doi: 10.1155/2013/434191 doi: 10.1089/ten.TEC.2014.0245 doi: 10.1016/j.scr.2010.11.003 -hair regrowth- (about HFSCs/AD-MSCs in hair regrowth) doi: 10.1155/2020/7397162 doi: 10.3390/ijms20143446 doi: 10.21037/sci.2017.06.04 doi: 10.3390/cells8050466 -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: 10.1155/2013/434191 doi: 10.2217/rme-2017-0076 In addition, the authors' goals must be to review a major number interesting paper a cellular mechanism approach in order to regenerate damaged tissue and promote one's own natural GFs release.