PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 66550

Title: Nano fat – A Therapeutic Paradigm in Regenerative Medicine

Reviewer’s code: 02567167

Position: Peer Reviewer

Academic degree: PhD

Professional title: Research Scientist

Reviewer’s Country/Territory: Spain

Author’s Country/Territory: India

Manuscript submission date: 2021-03-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-31 21:06

Reviewer performed review: 2021-04-13 00:33

Review time: 12 Days and 3 Hours

<table>
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<th>Scientific quality</th>
<th>[ ] Grade A: Excellent [ Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish</th>
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<tr>
<td>Language quality</td>
<td>[ Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection</td>
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<tr>
<td>Conclusion</td>
<td>[ ] Accept (High priority) [ Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection</td>
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<tr>
<td>Re-review</td>
<td>[ Y] Yes [ ] No</td>
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<td>statements</td>
<td>Conflicts-of-Interest: [ ] Yes [ Y] No</td>
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SPECIFIC COMMENTS TO AUTHORS

The review of Jeyaraman et al. entitled "Nanofat - A Therapeutic Paradigm in Regenerative Medicine", describes the development of nanofat, as well as its current applications, mainly in plastic and esthetic surgery, and its potential in regenerative medicine. The review complements others on nanofat and its applications. The content is well structured and covers very interesting aspects ranging from the production of nanofat to the regulation of its use.
## PEER-REVIEW REPORT

**Name of journal:** World Journal of Stem Cells  
**Manuscript NO:** 66550  
**Title:** Nano fat – A Therapeutic Paradigm in Regenerative Medicine  
**Reviewer’s code:** 02706985  
**Position:** Peer Reviewer  
**Academic degree:** MD  
**Professional title:** Doctor  
**Reviewer’s Country/Territory:** China  
**Author’s Country/Territory:** India  
**Manuscript submission date:** 2021-03-30  
**Reviewer chosen by:** AI Technique  
**Reviewer accepted review:** 2021-03-31 00:08  
**Reviewer performed review:** 2021-04-13 06:01  
**Review time:** 13 Days and 5 Hours

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SPECIFIC COMMENTS TO AUTHORS
In this review, the authors comprehensively summarized recent progress in the regenerative and tissue remodeling potential of nanofat in dermatological disorders such as scars, wrinkles, pigmentation, chronic wounds, small joints, and certain ligament-tendon targets. This helps to understand the effect of Nanofat in Regenerative Medicine. 1. Which growth factors, biological peptides, and cytokines from Nanofat. It is definitely difficult to follow and would need schematization, and a table and/or a figure. 2. In the text, it is often unclear if, following such statements, subsequent discussion of mechanisms at the cellular and molecular level are intended to Nanofat, being a compact bundle of stem cells with regenerative and tissue remodeling potential.