

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

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input 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 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

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 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

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.