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OPEN PEER REVIEW

# Are Preadipocytes More Advantageous Than Adipocytes in Soft Tissue Augmentation?

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## About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

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## 1 Original submission

3 comments · 22 Jul 2024 – 22 Jul 2024

### Referee 1 Reviewer

MAJOR REVISION 22 Jul 2024

Dear AE,
This study compares the volumetric and histopathologic outcomes of preadipocyte versus adipocyte grafting in Wistar rats, aiming to assess the feasibility of using preadipocyte tissue for soft tissue augmentation, especially in cases with limited adipose tissue supply.
It is a useful study but needs some revision:
-Some sentences lack references. All sentences quoted from other articles must have references at the end. For example, the sentence below:

Autologous fat grafting is used extensively for the correction of reconstructive and aesthetic issues in both adult and pediatric populations.
-Clearly define the eligibility criteria for participants. Mention any inclusion or exclusion criteria.
-Describe the settings and locations where data were collected.
-Describe how the sample size was determined. Provide power calculations if applicable.

### Associate Editor

MINOR REVISION 22 Jul 2024

Dear EIC,
I thank the authors and express my appreciation to the researchers. The manuscript is a valuable piece of research. But some revisions are needed. The authors should revise it based on the comments. Also, minor changes should be made to the abstract:
1- The study design should be mentioned in the first line of the method section of the ABSTRACT.
2- A summary of the statistical analysis results should be mentioned in the result section of the ABSTRACT.

### Editor-in-Chief

MINOR REVISION 22 Jul 2024

Dear Author,
Thank you for submitting the article. It needs some revision. Please revise it based on the reviewers' and AE's comments.

2

# Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

**REPLY TO REVİEWERS LETTER**

***"ARE PREADIPOCYTES MORE ADVANTAGEOUS THAN ADIPOCYTES IN SOFT TISSUE AUGMENTATION?"***

Dear Editor,
I would like to thank for the valuable contributions of the reviewers and the opportunity to make amendments to this manuscript which I feel strengthened the paper and clarified its message. I have attempted to answer all the questions posed by the reviewers and do the corrections accordingly.

The changes made in the text are written in bold below and highlighted in the manuscript.

Attached please find the revised version of this paper to be reconsidered for publication in Journal of Skin and Stem Cell. Thank you for your interest in this paper.

Sincerely,

Dr. E B C K

| COMMENTS | RESPONSE | REFERENCE PAGE |
|---|---|---|

1

| | | |
|---|---|---|
| **Reviewer 1** | | |
| All your keywords should be according to MeSH pubmed. | Key words have been changed as FAT GRAFT, PREADIPOCYTE, ADIPOCYTE, CHILD | **Key words** |
| The term "mild reduction" and "significant reduction" in abstract should be quantified for clarity. | The abstact has been corrected | **Abstract** |
| In background The text mentions that research into autologous fat grafting in children is "crucial for gaining a comprehensive understanding" without clearly stating why this understanding is important in the context of pediatric healthcare. | The sentence with "crucial for gaining a comprehensive understanding" is rephrased. | **Pg 1-2 Line 50-53** |
| *ın disscussion Concepts like the resistance of preadipocytes to hypoxia and the benefits of adipose-derived stem cells are reiterated without adding substantial new information.* | Discussion is changed and reiterated parts are corrected | **Discussion** |
| *In conclusion Phrases like "all these findings prove that" could be more concisely stated as "These findings demonstrate that.* | The sentence is extracted | |
| *The conclusion mentions "volumetric loss continues in adipocyte grafts" but does not specify to what extent or over what time frame.* | The sentence is corrected | **Pg 12 Line 262-263** |
| *The conclusion repeats some* | The repeating points are excluded from the conclusion | **Conclusion** |

| | | |
|---|---|---|
| *points already made in the discussion without adding new insights.* | | |
| **Reviewer 2** | | |
| *Some sentences lack references. All sentences quoted from other articles must have references at the end of themselves. for example below sentence:*<br><br>*Autologous fat grafting is used extensively for the correction of reconstructive and aesthetic issues in both adult and pediatric populations* | That sentence was sharing reference with the next sentence. The refence is added at the end of the sentence | **Page 2 Line 45** |
| *Clearly define the eligibility criteria for participants. Mention any inclusion or exclusion criteria* | Inclusion criteria is mentioned. | **Page 3 Line 70-71** |
| *Describe the settings and locations where data were collected*. | The settings and location is described. | **Page 3-4 Line 72-74** |
| *Describe how the sample size was determined. Provide power calculations if applicable.* | The sample size was determined by referencing similar animal studies in literature<br>Power calculations were not applied | |
| **ASSOCIATE EDITOR 1** | | |
| Study design should be mentioned in first line of method section of ABSTRACT | Study design is mentioned in the methods. | **Abstract** |
| Summary of Statistical | Statistics analysis are mentioned in the abstract | **Abstract** |

| | | |
|---|---|---|
| analysis results should be mention in result section of ABSTRACT. | | |

## 2 Revision 1

3 comments · 24 Sep 2024 – 24 Sep 2024

### Referee 1 Reviewer

ACCEPT 24 Sep 2024

Dear AE.
Previous errors have been corrected, and there are no further recommendations.

### Associate Editor

ACCEPT 24 Sep 2024

Dear EIC,
I reviewed the manuscript again. The great effort in improving the manuscript is highly appreciated.
The authors have addressed all comments.
Thank you

### Editor-in-Chief

ACCEPT 24 Sep 2024

Dear AUTHORS,
We appreciate your attentiveness and prompt response to the reviewer's feedback.