

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Meta-Analysis

**Manuscript NO:** 63772

**Title:** Therapeutic applications of dental pulp stem cells in regenerating dental, periodontal and oral-related structures

**Reviewer's code:** 03471723

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Malaysia

**Author's Country/Territory:** Egypt

**Manuscript submission date:** 2021-02-02

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-02-09 03:29

**Reviewer performed review:** 2021-02-09 06:25

**Review time:** 2 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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 authors have drafted a very good article which indeed gives an overall potential of DPSCs in tissue engineering and regenerative medicine. The advantages have been well highlighted. However, the authors need to make minor corrections as indicated in the attached copy. Also, suggest adding a simple figure on the different types of regeneration possible from DPSCs. This will make it quite lucid for the readers.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Meta-Analysis

**Manuscript NO:** 63772

**Title:** Therapeutic applications of dental pulp stem cells in regenerating dental, periodontal and oral-related structures

**Reviewer's code:** 03947720

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Japan

**Author's Country/Territory:** Egypt

**Manuscript submission date:** 2021-02-02

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-02-04 04:38

**Reviewer performed review:** 2021-02-26 00:54

**Review time:** 21 Days and 20 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	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**

Comments to the Author: In this review manuscript, the authors have described current knowledge of DPSCs capability of differentiation, applications and to draw attention to preclinical and clinical trials. The manuscript was constructed six sentences "Introduction", "Regeneration of dentin-pulp complex using DPSCs" "Regeneration of periodontal tissues using DPSCs" "Regeneration of salivary glands using DPSCs"" Regeneration of bone defects using DPSCs" "Concluding Remarks". The authors didn't mention the reasons to choose these sentences in introduction or other part in this manuscript. Moreover, it isn't clear the reason to choose "DPSCs-derived from inflamed pulp" each sentences. Authors described manuscripts without purpose and conclusion in some sentences, In addition, authors selected different reference in this manuscript. Specific comments are noted below. It isn't clear the purpose of this abstract and introduction. Count page from title page Page 4 Line 15 — Authors mentioned "therefore recreating the dentinogenesis process again in TE without ameloblasts is difficult due to the absence of the initiator." Many publication manuscripts reported "dentinogenesis". Could you explain? Page 4 Line 27 —Authors mentioned "Consequently, the results of these previous studies showed the inability of these materials to regenerate the DPC, only disorganized tissues were formed as a response." Could you explain about inability? Page 5 Line 1 —Authors mentioned "These cells work under the influence of chemical/physical signaling mechanisms that induce stem cell differentiation to express the desired phenotype[10] ." Could you explain about this sentence related with reference number 10 paper? Authors need to confirm reference. Page 6 Line 10, 30 — Authors mentioned "Chaudhary et al " line10 and line 30. In addition, the reference title is included "in vitro". Authors need to confirm reference.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Meta-Analysis

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**Title:** Therapeutic applications of dental pulp stem cells in regenerating dental, periodontal and oral-related structures

**Reviewer's code:** 03471723

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Malaysia

**Author's Country/Territory:** Egypt

**Manuscript submission date:** 2021-02-02

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-03-16 06:22

**Reviewer performed review:** 2021-03-16 06:26

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Peer-reviewer statements</b>	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



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The authors have carried out the corrections as indicated and no further corrections are necessary.