

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Dermatology*

**Manuscript NO:** 74167

**Title:** Platelet-Rich Plasma Application in Diabetic Ulcers: A Review

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05818012

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-12-15

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-12-16 13:22

**Reviewer performed review:** 2021-12-26 13:40

**Review time:** 10 Days

<b>Scientific quality</b>	<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 Grade E: Do not publish
<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 checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [ ] Yes [Y] No

## SPECIFIC COMMENTS TO AUTHORS

Diabetic foot ulcer is an important complication of diabetes, which affects the quality of life of many diabetic patients around the world. Platelet-rich plasma can promote the healing of diabetic foot ulcer and reduce the rate of disability. The authors reviewed the preparation and mechanism of platelet-rich plasma, as well as many current real-world good practices and outcomes. But there are some problems that need the author to think and elaborate carefully. 1. Pathogenesis and repair process of diabetic ulcer. The author needs to review this part to pave the way for explaining the potential mechanism of exosome-rich plasma in the following part. 2. In view of the pathogenesis of diabetic foot ulcer, the research progress on the possible mechanism of platelet-rich plasma in the repair of diabetic foot ulcer was analyzed and summarized. 3. The format of references is not uniform. It is recommended to rewrite and unify the format.

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**Peer-review model:** Single blind

**Reviewer's code:** 02623966

**Position:** Editorial Board

**Academic degree:** MD, MSc, PhD

**Professional title:** Attending Doctor, Research Scientist

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

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

**Manuscript submission date:** 2021-12-15

**Reviewer chosen by:** Xin Liu (Online Science Editor)

**Reviewer accepted review:** 2022-02-26 19:03

**Reviewer performed review:** 2022-02-26 19:04

**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 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 checked="" type="checkbox"/> Accept (General priority) <input 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</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

It is an interesting manuscript. Authors succeed to present their data in a clear way adding information to the existing literature. Therefore, I have no corrections to do and the manuscript can be published unaltered.

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**Peer-review model:** Single blind

**Reviewer's code:** 05461375

**Position:** Peer Reviewer

**Academic degree:** FRCP, FRCPE, MBChB, MSc

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-12-15

**Reviewer chosen by:** Xin Liu (Online Science Editor)

**Reviewer accepted review:** 2022-02-25 00:03

**Reviewer performed review:** 2022-02-28 02:38

**Review time:** 3 Days and 2 Hours

<b>Scientific quality</b>	<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
<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
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<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [ ] Yes [Y] No

## SPECIFIC COMMENTS TO AUTHORS

Thank you for writing a review article about the application of Platelet-Rich Plasma( PRP) in Diabetic Foot Ulcers. I hope my suggestion can help improving this manuscript. DM is a very common health problem in adult patients. Diabetic foot ulcer, a very challenging condition to tackle, is not uncommon and is affecting at least 15% of DM patients (Orban et al., 2022). In recent years, PRP continues to gain popularity in various medical specialty, especially in the field of aesthetic medicine and dermatology. It was reported to have beneficial effect in a long list of cutaneous condition with minimal disadvantages. This is a timely review to addresses an important and yet unknown issue that may interest clinicians. In general, this manuscript is a well-written one. However, there's inconsistency between the wording of title (Diabetic Ulcers), the text (Diabetic Foot Ulcers) and keyword ( Diabetic Ulcers). It is preferably to be consistent in the wording throughout the text. Although this is not a systemic review, an explicit search strategy is still needed to give a clear picture what sort of articles were included in this review. The year involved, the type of database searched, the keywords used to locate the studies or literatures should be included and explained in the text. It will also be helpful to use a table listing out the details of all the clinical studies included. This can make comparison and interpretation of various studies much more easier. Referencing in the text is a great problem and is very confusing for readers. -Referencing style appears not conforming to the house style of the publisher. -The reference 2, reference 3, reference 6 are incomplete. -Referencing is incorrect for Vilella and Santos' meta-analysis. It should be ref 20. "In their meta-analysis, Vilella and Santos<sup>18</sup> concluded that evidence indicates favorable outcomes with the use of PRP in diabetic ulcers." -"Tsai et al.<sup>18</sup> mentioned neither the presence nor the absence of

adverse reactions” Tsai et al should be Reference 19 instead. The problem of referencing is probably the result of not using a proper referencing manager during the manuscript preparation. Proper use of referencing programme is very important, otherwise, it will cause a lot of confusion and errors. This is a frequently missed part during the peer review process and a great deal of effort will be needed during the publication process. Abbreviation of “ANVISA” was not explained in the text (The Brazilian Health Regulatory Agency). General readers from other countries will not be able to understand what it stands for. As stated in the text: “In all studies analyzed in this review, autologous PRP products were used.” It is important to include autologous in the title and the abstract. This can distinguish this manuscript from a latest mini-review by Akbarzadeh et al. (2021) Recently, Orban et al. (2022) published a prospective, randomized controlled study of autologous PRP involving 72 patients with DFUs. It will improve this manuscript by including this study. AKBARZADEH, S., MCKENZIE, M. B., RAHMAN, M. M. & CLELAND, H. 2021. Allogeneic platelet-rich plasma: is it safe and effective for wound repair? *European Surgical Research*, 62, 1-9. ORBAN, Y. A., SOLIMAN, M. A., HEGAB, Y. H. & ALKILANY, M. M. 2022. Autologous platelet-rich plasma vs conventional dressing in the management of chronic diabetic foot ulcers. *Wounds: a Compendium of Clinical Research and Practice*, 33, 36-42.

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**Peer-review model:** Single blind

**Reviewer's code:** 02519158

**Position:** Peer Reviewer

**Academic degree:** DSc, PharmD, PhD

**Professional title:** Assistant Lecturer, Lecturer, Teaching Assistant

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

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

**Manuscript submission date:** 2021-12-15

**Reviewer chosen by:** Xin Liu (Online Science Editor)

**Reviewer accepted review:** 2022-02-25 12:15

**Reviewer performed review:** 2022-02-28 21:10

**Review time:** 3 Days and 8 Hours

<b>Scientific quality</b>	<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
<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
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Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

This a well prepared review article concerning an interesting question of clinical practice. It brings useful information for all medical practitioners who in their practice meet problems of platelet rich plasma application. For this reason, I recommend this paper for publication in World Journal of Dermatology.