

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Diabetes*

**Manuscript NO:** 79407

**Title:** Diabetic foot ulcer: Challenges and Future

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

**Peer-review model:** Single blind

**Reviewer's code:** 05438678

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2022-08-19

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-08-19 15:44

**Reviewer performed review:** 2022-08-27 12:18

**Review time:** 7 Days and 20 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 Grade E: Do not publish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
<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 checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

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

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

The authors have considered my suggestion and improved the paper accordingly. I've non further comments on it.

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**Manuscript NO:** 79407

**Title:** Diabetic foot ulcer: Challenges and Future

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

**Peer-review model:** Single blind

**Reviewer's code:** 06316783

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2022-08-19

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-03 09:50

**Reviewer performed review:** 2022-09-04 08:21

**Review time:** 22 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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statements

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

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

Always the paper is well-written. Could you collect the several sentences or words? For example page1, anti infection is anti-infection, amongdiabetic is among diabetic.

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

**Peer-review model:** Single blind

**Reviewer's code:** 03673990

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Research Associate

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

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

**Manuscript submission date:** 2022-08-19

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-08-19 14:43

**Reviewer performed review:** 2022-09-05 09:45

**Review time:** 16 Days and 19 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 checked="" type="checkbox"/> Yes <input 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

foot in terms of current therapeutic options. The authors in the title of the work indicate the challenges and future, however, the work focuses on the description of risk factors and methods of treatment of diabetic foot. In the section devoted to risk factors, the authors describe these factors, indicating the extent to which they exacerbate the formation of DFU. In this part of the work, for greater clarity, it would be useful to present the described data in a table. Describing the element of arterial ischemia, the authors point out dryness of the skin, which, admittedly, can be associated with impaired blood supply, but is more typical of autonomic neuropathy, which should be described in the first part of the subsection. In the section on the treatment of DFU, the authors describe very generally the importance of, for example, metabolic compensation of diabetes, pointing more to general recommendations for its compensation than to recommendations for DFU. An example is the listing of groups of antidiabetic agents, where, in addition, they were all named hypoglycemic. Pointing to the recommendations for LDL-cholesterol levels, it would be worthwhile to present the recommendations in force for the situation associated with PAD specialties, which are more restrictive than for high cardiovascular risk. In the section on debridement and "anti-infection", the authors are not consistent in the strategy of describing individual therapies. For example, there is no indication of the directions of antibiotic therapy or modern anti-infective molecules. In contrast, they describe maggot therapy in great detail. Similarly, the description devoted to antiseptics is very laconic. In the section devoted to dressings, it would be worthwhile to provide a table showing their differentiation in terms of composition and properties. Noteworthy is properly described the subsection devoted to cell therapies, which brings the reader closer to the



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possibility of using these forms of therapies in the treatment of FDU. The description of NPWT, on the other hand, is extremely laconic and gives the impression that this form of therapy is irrelevant to the treatment of DFUs, which is not true. The work, as a whole, is inconsistent in its approach to individual issues and lacks a unified description of them. This gives reason to think that the review made is not a comprehensive overview, but only a compilation of methods with which the authors have become more or less familiar. In many places, the authors do not even use the terminology that is adopted in the description of a particular method i.e. (offloading versus decompression). In conclusion, the paper is worthy of publication after making the indicated corrections.

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**Peer-review model:** Single blind

**Reviewer's code:** 03809896

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Assistant Professor

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

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

**Manuscript submission date:** 2022-08-19

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-02 09:15

**Reviewer performed review:** 2022-09-10 18:23

**Review time:** 8 Days and 9 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 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
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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**

Review on manuscript, “Diabetic foot ulcer: Challenges and Future” I think the subject of the study is interesting. However, the following points should be considered by the authors: 1. References 37, 38 and 39 are not mentioned in the text. 2. The number of keywords for the review article is small. 3. The application of laser in diabetic foot ulcer is neglected in this article. I suggest the authors add at least one paragraph about the use of lasers. 4. In some aspects, this manuscript is similar to Manuscript NO: 78915, I reviewed recently.