

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 79172

Title: Nutritional supplementation on wound healing in diabetic foot: what is known and what is new?

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05922284

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: Italy

Manuscript submission date: 2022-08-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-11 17:34

Reviewer performed review: 2022-08-11 19:08

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 Grade E: Do not publish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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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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
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SPECIFIC COMMENTS TO AUTHORS

What does the authors mean by "It is known that malnutrition delays the inflammatory phase of the healing process," - is it prolongation of inflammatory phase or delay? Delay means the wound will arrest in hemostasis phase? Please check for DFU vs DFUs we included in this analysis- the authors have not done any analysis, this manuscript is summary of published literature role they play in the healing process of wounds is still largely unknown and there is growing interest in understanding their specific effects on the cellular / molecular factors involved- the role of resolvins have studies for long and multiple published (PMID: 33793355) articles have shown positive results. Please check and modify the statement few studies that have evaluated the effects of omega-3 fatty acids from fish oil - please list some studies Please include a Table listing all studies, the nutrient being used, patient population, nutrient dose, and the outcome of the study. Please check the manuscript thoroughly for the English language. For examples only proper nouns should be capitalized in between sentence

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Peer-review model: Single blind

Reviewer's code: 03372482

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Academic Research, Assistant Professor, Associate Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: Italy

Manuscript submission date: 2022-08-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-13 06:18

Reviewer performed review: 2022-08-14 10:27

Review time: 1 Day and 4 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 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 type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

Non-healing diabetic foot ulcers (DFU) are the most significant and devastating complications of diabetes mellitus. More than 25% of nonhealing DFU can ultimately lead to amputation of the lower extremity within 6–18 months after the first manifestation of the wound. Although wound healing is complex, nutritional status is crucial in soft tissue repair. Malnutrition is highly prevalent and overlooked in patients with diabetes and chronic wounds. Moreover, to date, we do not have clear recommendations or evidence about the use of nutritional supplements for improving wound healing in patients with DFU. This article aimed to evaluate the current evidence on the use of nutritional supplementation in wound healing in patients with DFU. The author briefly analyzed the current evidence on the use of nutritional supplements of proteins or amino acids, fatty acids, probiotics, vitamins, and trace elements in the wound healing process in patients with DFU. **Core Tip** Malnutrition is common in patients with diabetes and chronic wounds. To date, we do not have clear recommendations or evidence about the use of nutritional supplements for improving wound healing in patients with DFU. This article aimed to evaluate the current evidence on the use of nutritional supplementation in wound healing in patients with DFU. **In General:** it's a good paper and the subject of the manuscript is applicable and useful. **Title:** the title properly explains the purpose and objective of the article **Abstract:** abstract contains an appropriate summary for the article, the language used in the abstract is easy to read and understand, and there are no suggestions for improvement. **Introduction:** authors do provide adequate background on the topic and reason for this article and describe what the authors hoped to achieve. **Results:** the results are presented

clearly, the authors provide accurate research results, and there is sufficient evidence for each result. Conclusion: in general: Good and the research provides sample data for the authors to make their conclusion. Grammar: Need Some revision. (Check The Paper Comments). Please provide the following information in the Paper 1. Conflict of Interest 2. Source of Funding Finally, this was an appealing article, in its current state it adds much new insightful information to the field.

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Title: Nutritional supplementation on wound healing in diabetic foot: what is known and what is new?

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Peer-review model: Single blind

Reviewer's code: 06325956

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: Italy

Manuscript submission date: 2022-08-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-14 14:36

Reviewer performed review: 2022-08-16 16:58

Review time: 2 Days and 2 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
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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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
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SPECIFIC COMMENTS TO AUTHORS

This is an important paper about one of the most devastating complications of diabetes. Please update the paper based on the following suggestions. 1. Please include recommendations for omega 3 for adults where you are explaining effects of supplementation on wound healing. Did participants in the reference 28 receive 1000 mg or 2000 mg of omega 3 daily? please make it clear. Also Please report the sample size for this study. 2. In the last paragraph of omega 3, it looks like you are talking about one study but there are two different references 28 and 29. please make it clearer. 3. Did reference 34 had zero patient in the study? Please correct it. 4. please report decrease in HbA1c and sample size for reference 34. 5. please substitute UI with IU for vitamin D.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: Italy

Manuscript submission date: 2022-08-11

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2022-09-16 04:47

Reviewer performed review: 2022-09-16 04:59

Review time: 1 Hour

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
Peer-reviewer	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

In response to reviewers' comments, the author mentioned that RCTs have been listed and included in the manuscript but there is no table, please include.