

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 80163

Title: Vitamin D and magnesium level: Association with insulin sensitivity and influence in glycemic control

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03490943

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor, Doctor, Postdoc

Reviewer's Country/Territory: Serbia

Author's Country/Territory: Malaysia

Manuscript submission date: 2022-09-19

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-19 21:41

Reviewer performed review: 2022-10-02 16:07

Review time: 12 Days and 18 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 Grade E: Do not publish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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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: [Y] Anonymous [] Onymous Conflicts-of-Interest: [] Yes [Y] No
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SPECIFIC COMMENTS TO AUTHORS

The topic of this review article is very interesting and, in my opinion, manuscript could be accepted for publication if authors resolve the following issues: - the introduction is missing the references - please, refrain from using the term “diabetic” - please, define the terms “vitamin D deficiency” and “vitamin D insufficiency” - please, provide more accurate definition of diabetes mellitus - in my opinion, assertion that “vitamin D has been linked to everything” is not appropriate - please, use the uniform abbreviation for glycated hemoglobin - please, check for accuracy of units in which the values of magnesium are expressed from the cited sources - in my opinion, it is not necessary to report p values from the cited studies - what is the meaning of the terms “poor” and “good” diabetes mellitus? - adding figures illustrating the reviewed mechanisms would significantly improve the quality of the manuscript - the list of reference should be revised in order to make it uniform in style - the manuscript requires thorough language and technical polishing

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Title: Vitamin D and magnesium level: Association with insulin sensitivity and influence in glycemic control

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05771605

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Saudi Arabia

Author's Country/Territory: Malaysia

Manuscript submission date: 2022-09-19

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-07 05:16

Reviewer performed review: 2022-10-07 07:34

Review time: 2 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 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 a good recap of the existing knowledge on the interplay vitamin D and magnesium status in glycemic control and insulin sensitivity. It will be beneficial to include a brief round up of vitamin D and magnesium biochemistry along with their implications in metabolic syndrome related parameters to emphasize their mechanistic role in insulin action. In that regard, there are few references that may be useful to cite in this manuscript (file attached).

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 80163

Title: Association of Vitamin D and magnesium with insulin sensitivity and their influence on glycemic control

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03490943

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor, Doctor, Postdoc

Reviewer's Country/Territory: Serbia

Author's Country/Territory: Malaysia

Manuscript submission date: 2022-09-19

Reviewer chosen by: Zhen-Heng Wei



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Reviewer accepted review: 2022-11-08 06:18

Reviewer performed review: 2022-11-09 17:30

Review time: 1 Day and 11 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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

SPECIFIC COMMENTS TO AUTHORS

Except a need for further slight language polishing, I have no additional comments.