

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 74142

Title: Improved systemic half-life of glucagon-like peptide-1-loaded carbonate apatite nanoparticles in rats

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02482011

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: Malaysia

Manuscript submission date: 2021-12-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-15 05:28

Reviewer performed review: 2021-12-22 09:34

Review time: 7 Days and 4 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 Grade E: Do not publish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
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

major revision requirieds

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 74142

Title: Improved systemic half-life of glucagon-like peptide-1-loaded carbonate apatite nanoparticles in rats

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04740911

Position: Peer Reviewer

Academic degree: MD, MSc, PhD

Professional title: Assistant Professor, Research Scientist

Reviewer's Country/Territory: Poland

Author's Country/Territory: Malaysia

Manuscript submission date: 2021-12-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-15 09:10

Reviewer performed review: 2021-12-23 09:30

Review time: 8 Days

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The manuscript "Improved systemic half-life of glucagon-like peptide-1 (GLP1)-loaded carbonate apatite nanoparticles in rats" describe the promising, novel particle of GLP-1 and may be novel therapeutic drugs. The title reflect the main hypothesis of the manuscript. Abstract and key words in proper way summarize the work. I would expected extended backgroud in the context of animals and human findings the same in the discussion. Methods. As authors described statistical methods: "Results were expressed as mean \pm S.E.M. Differences between the control and the treatment groups were analysed using the Student's t test. A P value of less than 0.05 was considered statistically significant." Were the results with Gaussian distribution? If not the results should be described by median and interquartile range. Results are well presented in proper way and the figures are well prepared. References. Only 8 of 25 references are from last 5 years - please up-date. Last but not least - Please add limitation of the study. minor - some grammare and spelling mistakes - improve this.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 74142

Title: Improved systemic half-life of glucagon-like peptide-1 (GL Y)-loaded carbonate apatite nanoparticles in rats

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02482011

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: Malaysia

Manuscript submission date: 2021-12-15

Reviewer chosen by: Yun-Xiaojuan Wu

Reviewer accepted review: 2022-01-27 10:15

Reviewer performed review: 2022-01-29 09:59

Review time: 1 Day and 23 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
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

Revision 1. Abbreviations should be explained what they stand for the first time they are used. It is generally not accepted to use abbreviations in abstracts unless they are spelled in full at least once. 2. Appropriate statistical analysis should be performed. Statistical tables and figures should be checked and followed statistical norms. 3. The sentences in the statistics section should be revised.