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

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<th>Grade B: Very good</th>
<th>Grade C: Good</th>
<th>Grade D: Fair</th>
<th>Grade E: Do not publish</th>
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<td>Grade D: Rejection</td>
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<td>Conclusion</td>
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<td>Accept (General priority)</td>
<td>Minor revision</td>
<td>Major revision</td>
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Peer-reviewer statements

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<td>Conflicts-of-Interest</td>
<td>[ ] Yes</td>
<td>[Y] No</td>
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**SPECIFIC COMMENTS TO AUTHORS**

major revision requireds
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

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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 terapeutic drugs. The title reflect the main hypothesis of the manuscript. Abstract and key words in proper way summarize the work. I woul 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 ± 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-Xiaojian Wu
Reviewer accepted review: 2022-01-27 10:15
Reviewer performed review: 2022-01-29 09:59
Review time: 1 Day and 23 Hours

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</tbody>
</table>

| Peer-reviewer      | Peer-Review: [Y] Anonymous | [ ] Onymous |


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.