



**PEER-REVIEW REPORT**

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

**Manuscript NO:** 84857

**Title:** Effect of glucagon-like peptide-1 receptor agonists on glucose excursion and inflammation in overweight or obese type 2 diabetic patients

**Provenance and peer review:** Unsolicited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer’s code:** 06520375

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor, Researcher

**Reviewer’s Country/Territory:** United Kingdom

**Author’s Country/Territory:** China

**Manuscript submission date:** 2023-04-19

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-04-23 00:40

**Reviewer performed review:** 2023-04-24 07:48

**Review time:** 1 Day and 7 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Novelty of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
<b>Creativity or innovation of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	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**

In this retrospective study, authors compared the blood glucose control effect of weekly taking GLP-1RA with daily taking GLP-1RA, and analyzed the body inflammation of overweight or obese type 2 diabetes patients. The article is informative and well presentation. And the figures and tables help the readers to make a more understanding of the study. The results showed that after treatment, the levels of TNF- $\alpha$  and IL-6 in group A were lower than those in group B, indicating that the use of weekly preparations for the treatment of primary obese type 2 diabetes is more effective, facilitates the reduction of inflammatory factor levels, and has a higher safety of clinical application. The paper, in its actual form, is worth publishing. It meets the high quality of papers published in WJD.



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**Provenance and peer review:** Unsolicited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06521118

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Professor, Research Associate

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

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

**Manuscript submission date:** 2023-04-19

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-04-21 00:47

**Reviewer performed review:** 2023-04-27 08:21

**Review time:** 6 Days and 7 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>Novelty of this manuscript</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
<b>Creativity or innovation of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



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<b>Peer-reviewer statements</b>	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**

I have read carefully the paper titled ‘Effect of weekly versus daily formulations of GLP-1RA on glucose excursion and inflammation in overweight or obese type 2 diabetic patients’ written by Dr Xiaomin Huang, et al., and which evaluated retrospectively the effects of weekly versus daily formulations of GLP-1RA on glucose excursion and inflammation in overweight or obese type 2 diabetic patients. This work is very interesting and the whole manuscript is well drafted. The data were reasonably analyzed and interpreted by the authors; however, some concerns have been noted including: 1-the abstract is less concise and should be modified particularly the Methods undersection. 2. It needs to be clear that clinical baseline data of the two groups is not the Secondary outcome measure of this study, so the description of Outcome measures on page 5 is wrong. 3. This is a well-designed and written manuscript. Limitation and future perspective should be more extensively discussed.