

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 74336

Title: Impact of Preoperative Carbohydrate Loading on Gastric Volume in Patients with Type 2 Diabetes

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05614441

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Hungary

Author's Country/Territory: China

Manuscript submission date: 2021-12-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-05 10:02

Reviewer performed review: 2022-01-10 09:39

Review time: 4 Days and 23 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 Grade E: Do not publish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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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

SPECIFIC COMMENTS TO AUTHORS

Authors of the article investigated the effects of consuming carbohydrates on gastroparesis in T2DM patients prior surgery. The presented RCT is well designed, the article is easy to follow, with good English. The following questions and minor issues should be fixed: Questions: 1. Concentration of glucose drink must be detailed in Methods. 2. Was 200 or 300 ml consumption superior in previous studies? What if the carbohydrate amount is reduced for the 300ml one, e.g. the same amount which was added to 200ml, just diluted to a larger volume? 3. Statistical methods must be revised! - Comparing 4 groups must be done with one-way ANOVA / Kruskal-Wallis + post-hocs, and not by t-tests. - Why did authors use both chi-square and Fisher exact tests? The latter one is good for both parametric and non-parametric data. - To analyse the longitudinal data, a mixed effect model would be more elegant, than the repeated measure ANOVA. 4. An additional table is recommended about diabetic properties of the patients: duration of diabetes, treatment data in a more detailed manner than oral/insulin, diabetic complications, etc. Minor issues: 1. Resolve the abbreviation of ERAS in the abstract 2. Abstract (line 53): empty -> emptying 3. Resolve all abbreviations in Core Tip 4. Line 106: "Delayed gastric emptying" -> Delayed gastric emptying (gastroparesis) 5. Line 118: Please give a general, 1-sentence description of what the Perlas scores are used for 6. Line 142-143: two "(7)"-s are present 7. Line 186-188: citation needed 8. Line 189: "groups 1, 2, and 3" -> what were these groups? Most readers do not like to open a separate article, please include the information. 9. Line 196-197: "The correlations between treatment category and clinicopathological characteristics were" -> shouldn't it be "The comparisons between treatment categories



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and clinicopathological characteristics were" ?? 10. Line 241: "In addition, glycemia was well controlled" -> hypo or hyper? 11. Line 272: "controlled and <10 mmol/L." -> "controlled and their preoperative FPG was <10 mmol/L."

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Peer-review model: Single blind

Reviewer's code: 05355863

Position: Peer Reviewer

Academic degree: BSc

Professional title: Research Scientist

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

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Reviewer chosen by: Qi-Gu Yao (Online Science Editor)

Reviewer accepted review: 2022-01-15 08:04

Reviewer performed review: 2022-01-19 10:37

Review time: 4 Days and 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
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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

This manuscript discuss "Impact of Preoperative Carbohydrate Loading on Gastric Volume in Patients with Type 2 Diabetes" that is valuable work but it first needs some revision: 1-The conclusion in abstract section should describe better the outcome of research 2-please use more relevant keyword 3-please replace references 22-23-25 and use recent related work 4-In the conclusion section explain about benefits of this works and suggestions for future research