

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 80355

Title: INTER-RELATIONSHIPS BETWEEN GASTRIC EMPTYING AND GLYCAEMIA:
IMPLICATIONS FOR CLINICAL PRACTICE-V1

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02446061

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Full Professor, Research Scientist

Reviewer's Country/Territory: Mexico

Author's Country/Territory: Australia

Manuscript submission date: 2022-09-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-01 20:20

Reviewer performed review: 2022-10-09 21:44

Review time: 8 Days and 1 Hour

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 Grade E: Do not publish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

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

SPECIFIC COMMENTS TO AUTHORS

The manuscript requires edition to increase the attention of readers. a) The comparisson of movements in healthy humans and those patients with disorders must be clear and with some quantitative data. b) Illustrations and plots are desirable to compare the differences and putative mechanisms. c) Fig. 1 is illegible. d) The advances in the last years should be clear in both, abstract and conclusions. e) The advances could be divided by those using an insulin-like and not-insuline-like peptide; and other non-peptides (In the present form the manuscript seems just to mention GLP-1 and -as data are limited or are often published- almost nothing about other recent molecules relevant in this field (the treatment of disorders in gastric emptying). As well as regarding the observations by an endogen or exogen agents.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05126185

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: Australia

Manuscript submission date: 2022-09-24

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-11-12 11:58

Reviewer performed review: 2022-11-20 11:10

Review time: 7 Days and 23 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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

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

I am really grateful to review this manuscript. As this study reports, gastric emptying is a major determinant of postprandial glycaemia in health, diabetes and critical illness. Acute hyperglycaemia slows gastric emptying while insulin-induced hypoglycaemia accelerates it. Gastroparesis is frequent in diabetes and critical illness with a weak correlation between gastrointestinal symptoms and gastric emptying/motility. Accordingly, the diagnosis of gastroparesis should ideally be made only after measuring gastric emptying with an optimal technique. GLP-1 receptor agonists, commonly used in the treatment of type 2 diabetes, may profoundly impact gastric emptying. In this context, this study explores the rationale for current glycaemic targets and the implications of dysglycaemia and its management in hospitalised and critically unwell populations. In my opinion, this manuscript can be published once some revisions are done successfully. This study did not address the methods of original studies reviewed and the issues of their external validity. I strongly suggest the authors to address these issues in much greater detail.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05126185

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: Australia

Manuscript submission date: 2022-09-24

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2022-12-12 06:20

Reviewer performed review: 2022-12-12 08:19

Review time: 1 Hour

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
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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

I am really grateful to review this manuscript. In my opinion, this manuscript can be published in current form.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Manuscript submission date: 2022-09-24

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2022-12-13 03:52

Reviewer performed review: 2022-12-13 04:12

Review time: 1 Hour

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
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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript is improved. From my perspective other figures could improve the presentation of article (many readers are attracted by visual details).