

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

Ms: 1861

Title: Modulation of individual components of the gastric motor response to duodenal glucose

Reviewer code: 00054585

Science editor: x.z.huang@wjgnet.com

Date sent for review: 2013-01-11 11:31

Date reviewed: 2013-02-26 06:37

| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|---|--|--|--|
| <input type="checkbox"/> Grade A (Excellent) | <input checked="" type="checkbox"/> Grade A: Priority Publishing | Google Search: | <input checked="" type="checkbox"/> Accept |
| <input checked="" type="checkbox"/> Grade B (Very good) | <input type="checkbox"/> Grade B: minor language polishing | <input type="checkbox"/> Existed | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C (Good) | <input type="checkbox"/> Grade C: a great deal of | <input checked="" type="checkbox"/> No records | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D (Fair) | language polishing | BPG Search: | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E (Poor) | <input type="checkbox"/> Grade D: rejected | <input type="checkbox"/> Existed | <input type="checkbox"/> Major revision |
| | | <input checked="" type="checkbox"/> No records | |

COMMENTS

COMMENTS TO AUTHORS:

This is a continuum of authors' previous works and tested a role of diet in the duodenum in the stimulation of the antro-pyloro-duodenal (APD) motor response. The results show that delivery of nutrient has a substantial effect on APD motor patterns; however, its significance and mechanisms (i.e. the role of GLP-1, PYY and Ach) in the pathogenesis, such as obesity and diabetes, should be discussed. As author described, only occlusive pressure (but not non-occlusive pressure) waves are detected.

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

Ms: 1861

Title: Modulation of individual components of the gastric motor response to duodenal glucose

Reviewer code: 00039306

Science editor: x.z.huang@wjgnet.com

Date sent for review: 2013-01-11 11:31

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| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|-------------------------|---|-----------------|-----------------------------------|
| [] Grade A (Excellent) | [Y] Grade A: Priority Publishing | Google Search: | [Y] Accept |
| [] Grade B (Very good) | [] Grade B: minor language polishing | [] Existed | [] High priority for publication |
| [Y] Grade C (Good) | [] Grade C: a great deal of language polishing | [Y] No records | []Rejection |
| [] Grade D (Fair) | [] Grade D: rejected | [] Existed | [] Minor revision |
| [] Grade E (Poor) | | [Y] No records | [] Major revision |

COMMENTS

CONFIDENTIAL COMMENTS TO EDITOR:

COMMENTS TO AUTHORS:

In this experimental study authors examined the specific components of the antro-pyloro-duodenal (APD) motor activity in response to randomised double blinded graded small intestinal glucose infusions in a series of 15 healthy subjects. It was found that there is a hierarchy (i.e.: an increase in isolated pyloric pressure waves was the first response) and a specific threshold for activation of APD motor response. Even though limited in the scope and, possibly, in the magnitude of clinical impact, the study is well designed, well conducted and clearly presented. It certainly constitutes an important step for other experimental studies in the field. Minor points Could sequential different glucose loads affect APD motility intestinal responses as result of an adaption mechanism? Please, comment on this issue in the Discussion section. There are some spelling and/or grammar errors in the text: Abstract section Pag.3 Ln 19 ... with in a dose-dependent fashion..... Please omit the word with.A threshold for stimulation for was observed. Please, omit the (second) word for.