

ANSWERING REVIEWERS

August 10, 2013

Dear Editor,



Please find enclosed the edited manuscript in Word format (file name: 3145-review.doc).

Title: The effects of 5-HT_{2B}, 3 and 4 receptor antagonists on colonic motor activity in dogs

Author: Hiroki Morita, Erito Mochiki, Nobuyuki Takahashi, Kiyoshi Kawamura, Akira Watanabe, Toshinaga Sutou, Atsushi Ogawa, Mitsuhiro Yanai, Kyoichi Ogata, Takaaki Fujii, Tetsuro Ohno, Souichi Tsutsumi, Takayuki Asao and Hiroyuki Kuwano

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 3145

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

Comment 1: The title "..... on colonic motor activity in dogs" , however, the authors also studied the antrum and ileum. I think it is not consistent.

Answer 1: We thank the reviewer for this pertinent comment. In accordance with the reviewer's comments, we changed the title as follows.

"The effects of 5-HT_{2B}, 3 and 4 receptor antagonists on gastrointestinal motor activity in dogs"

Comment 2: The 5-HT₄ antagonist seems did not have inhibit effect on the distal colon (fig 5), but the authors did not discuss this in detail.

Answer 2: In accordance with the reviewer's comment, the following sentences were

modified in the discussion (page 17).

However, this inhibition was dose independent at the distal colon, and 5-HT4 antagonist has no effect at the distal colon.

Comment 3: I hope they can also use the agonist for this three receptor to see what happens.

Answer 3: We cannot get the 5-HT2B receptor agonist unfortunately. In previous study, 5-HT3 and 4 receptor agonists increased gastrointestinal motility. In accordance with the reviewer's comments, the following sentences were modified in the introduction (page 5).

Previous studies have shown that 5-HT-3 and 5-HT4 receptor agonists stimulate a gastrointestinal motility^[8-12]. ~~However.~~ However, the effects of these antagonists ~~is~~ are unknown.

3 References and typesetting were corrected

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,

Hiroki Morita, MD, PhD
Department of General Surgical Science (Surgery 1)
Gunma University School of Medicine
3-39-22 Showamachi, Maebashi, Gunma 371-8511, Japan
Tel.: +81 27 220 8224
Fax: +81 27 220 8230
E-mail: m09702031@gunma-u.ac.jp

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