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## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 34981

**Title:** Glucagon-like peptide-2 modulates the nitrergic neurotransmission in strips from mice gastric fundus

**Reviewer's code:** 02543990

**Reviewer's country:** United States

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2017-07-21

**Date reviewed:** 2017-08-02

**Review days:** 12

| CLASSIFICATION   | LANGUAGE EVALUATION   | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|--|---|--|--|
| <input type="checkbox"/> Grade A: Excellent            | <input type="checkbox"/> Grade A: Priority publishing                 | Google Search:                                 | <input type="checkbox"/> Accept                        |
| <input checked="" type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title        | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good                 | <input type="checkbox"/> Grade C: A great deal of language polishing  | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade D: Fair                 | <input type="checkbox"/> Grade D: Rejected                            | <input checked="" type="checkbox"/> No         | <input checked="" type="checkbox"/> Minor revision     |
| <input type="checkbox"/> Grade E: Poor                 |   | BPG Search:                                    | <input type="checkbox"/> Major revision                |
|  |   | <input type="checkbox"/> The same title        |  |
|  |   | <input type="checkbox"/> Duplicate publication |  |
|  |   | <input type="checkbox"/> Plagiarism            |  |
|  |   | <input checked="" type="checkbox"/> No         |  |

### COMMENTS TO AUTHORS

This is a very interesting study investigating the influence of GLP2 on neutrally-induced responses in gastric fundal strips. There are a few concerns that need to be addressed to improve the quality of this manuscript. 1). Fig.3 needs a control panel without GLP-2 treatment. 2). Fig.5 needs images of DAPI staining in related to Fig.5A and 5B, and the merged images of nNOS staining and DAPI for better demonstration. In addition, it is also suggested to include H&E stained images of the tissue sections here.



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**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 34981

**Title:** Glucagon-like peptide-2 modulates the nitrergic neurotransmission in strips from mice gastric fundus

**Reviewer's code:** 02444931

**Reviewer's country:** China

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2017-07-21

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| CLASSIFICATION   | LANGUAGE EVALUATION   | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|--|---|--|--|
| <input type="checkbox"/> Grade A: Excellent            | <input type="checkbox"/> Grade A: Priority publishing                 | Google Search:                                 | <input type="checkbox"/> Accept                        |
| <input checked="" type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title        | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good                 | <input type="checkbox"/> Grade C: A great deal of language polishing  | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade D: Fair                 | <input type="checkbox"/> Grade D: Rejected                            | <input checked="" type="checkbox"/> No         | <input type="checkbox"/> Minor revision                |
| <input type="checkbox"/> Grade E: Poor                 |   | BPG Search:                                    | <input checked="" type="checkbox"/> Major revision     |
|  |   | <input type="checkbox"/> The same title        |  |
|  |   | <input type="checkbox"/> Duplicate publication |  |
|  |   | <input type="checkbox"/> Plagiarism            |  |
|  |   | <input checked="" type="checkbox"/> No         |  |

**COMMENTS TO AUTHORS**

1.Authors should add Fluorescent staining negative control in Fig5; 2.Authors described "Tissue sampling for morphological studies" in MM, but not result presented in Results section; 3.The title of Fluorescence microscope immunohistochemistry should be replaced by immunofluorescent staining in MM; 4.Authors claimed that the amplitude of the EFS-induced fast nitrergic relaxation was increased in the presence of GLP-2 (2 nM or 20 nM), but authors in Fig 5 checked the change of nNOS with treatment of GLP-2 at 20 nM only, 2 nM? 5.Some sentences should be further polished.