

November 26, 2012

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 833-review.doc).

**Title:** Immunohistochemical study of the digestive tract of *Oligosarcus hepsetus* (Characidae)

**Author:** Danielle Alcantara Vieira-Lopes, Nadja Lima Pinheiro, Armando Sales, Adriana Ventura, Francisco Gerson Araújo, Iracema David Gomes, Aparecida Alves Nascimento

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

**ESPS Manuscript NO:** 833

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

(1) This manuscript's title was changed for "Immunohistochemical study of the digestive tract of *Oligosarcus hepsetus* (Characidae)".

(2) This manuscript's running title was changed for "Digestive tract of *Oligosarcus hepsetus*".

(3) Word of "tube" was replaced as "tract".

(4) Word of "histochemistry" was replaced as "histology" (line 38).

(5) No distinctive characteristics were found that would allow division of the esophagus into anterior and posterior regions.

(6) Term of "Avidina-biotina-peroxidase" was replaced the "Avidin-biotin-peroxidase". (line 45)

(7) Term of "striated boundary" was replaced the "brush border". (line 50)

(8) Term of "immunoreactive cells (IR)" was replaced the "immunoreactive (IR) cells". (lines 51 and 241)

(9) Word of "morphology" was replaced as "anatomy". (line 75)

(10) Paragraph of "The literature stresses the importance of knowledge of the morphology of the digestive tube (DT) of fishes, because this structure is highly variable, related to the diversity of feeding habits and lifestyles [1]. The anatomy of the digestive tract of fish is closely related to the feeding habit and type of food consumed[2,3]." was changed for "The literature stresses the importance of knowledge of the anatomy of the digestive tract (DT) of fishes, because this structure is highly variable, related to the diversity of feeding habits, type of food and lifestyles [1,2,3]". (lines 75 at 77)

(11) Word of "single" was replaced as "same". (line 80)

(12) Word of "component" was excluded. (line 94)

(13) Term of "of *O. hepsetus*" was included. (lines 94)

(14) Word of "rehydrated" was replaced as "dehydrated". (line 141)

(15) Term of "at room temperature" was included. (lines 148 and 149)

(16) Word of "Entelan" was replaced as "Entellan". (line 154)

(17) Sentence of "Ten digitized images were collected from each studied organ using a 400× enlargement and sections were examined." was excluded. (lines 161 at 162)

(18) The inclusion of the word glandular on line 202 cannot be accepted, due to the characteristics mentioned in the paragraph, which refer both to the glandular and aglandular portion of the stomach.

(19) The inclusion of the phrase “Non-glandular region of stomach: PAS (+), AB (-) (Figure 3F)” cannot be accepted because of the information mentioned in the previous item.

(20) The letters corresponding to figures cited throughout the text were included. (lines 191, 193, 195, 197, 203, 204, 205, 208, 212, 214, 217, 226, 228, 231, 236, 237).

(21) Term of “sub layer” was excluded. (line 197)

(22) Word of “one” was excluded. (line 197)

(23) Sentence of “under which there is a serosa layer.” was replaced as “and there is a serosa layer which surrounds these structures.” (line 219)

(24) Sentence of “Therefore, the sections missed the nuclei, only cutting through the cytoplasmatic portion, where this hormone is produced and stored.” was excluded. (lines 249)

(25) Word of “Somatostatina” was replaced as “Somatostatin”. (line 252)

(26) Term of “Figure 6” was replaced as “Figure 7”. (line 253)

(27) Sentence of “In general, open-type cells are functionally regulated by receiving luminal information such as nutrients and pH, while closed-type cells are functionally modulated by hormones, neuronal stimulation or mechanical distension. They appeared as closed-type cells, since they did not have lamina contact with an apical cytoplasmic process that reached the lumen. .” was excluded. (lines 256)

(28) Term of “Figure 7” was replaced as “Figure 8”. (line 260)

(29) Word of “*maculates*” was replaced as “*maculatus*”. (line 294)

(30) Word of “*Anguilla*” was replaced as “*anguilla*”. (line 327)

(31) Word of “lining” was included. (line 343)

(32) Sentence of “similar to those found in other vertebrate species” was excluded. (line 360)

(33) Sentence of “(5-HT-, SOM- and CCK)” was inserted. (line 360)

(34) Term of “*et al.*” was replaced as “and KU”. (line 373)

(35) Excluded the reference of “Domeneghini C, Radaelli G, Arrighi S, Mascarello F, Veggetti A. Neurotransmitters and putative neuromodulators in the gut of *Anguilla anguilla* (L.). Localizations in the enteric nervous and endocrine systems. Eur J Histochem 2000; 44: 295-306.”

(36) Word of “*truot*” was replaced as “*trout*”. (line 526)

(37) Word of “*Channos*” was replaced as “*Chanos*”. (line 551)

(38) Word of “*Tilapia spp*” was replaced as “*Tilapia spp*”. (line 556)

(39) Word of “CCK” was replaced as “CCK”. (line 637)

(40) Word of “*sanguívorous*” was replaced as “*sanguivorous*”. (line 649)

(41) The scale bars size of the figures was included in the legends

(42) Word of “**neuroendocrine**” was replaced as “**endocrine**” in the table 2.

(43) Word of “**Anticorpo**” was replaced as “**Antisera**” in the table 2.

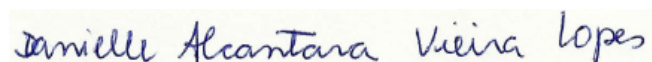
(44) Word of “immunoreactins” was replaced as “immunoreactions” in the legend of Table 2.

(45) The immunohistochemical results of the esophagus were included in Table 2.

3 References and typesetting were corrected

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

Sincerely yours,



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