

October 22, 2021

Lian-Sheng Ma
Editorial Office Director, Company Editor-in-Chief, Editorial Office
Baishideng Publishing Group Inc

Manuscript 65807: "**Application of Electron Microscopy in Gastroenterology**," by
Iwamuro et al.

Dear Mr. Ma:

We hereby resubmit our above-named manuscript for reconsideration for publication in *World Journal of Gastrointestinal Pathophysiology*. We have carefully considered all the enclosed comments and addressed them as thoroughly as possible. Point-by-point responses to the reviewer's comments are given below. We hope you will now find our revised manuscript acceptable for publication in *World Journal of Gastrointestinal Pathophysiology*. Thank you for your consideration.

Sincerely yours,

Masaya Iwamuro, MD

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Manuscript #65807, entitled "Application of Electron Microscopy in Gastroenterology"

Point-by-Point Responses to the Reviewers' comments

Reviewer's Comments to Author:

Comments to the Author:

Reviewer #1: There is no doubt that Electron microscopy has long been used in in the field of gastroenterology, so the author's minreview is meaningful, but the author's writing attitude is obviously not serious.

1. In the abstract: iv) detection and characterization of microorganisms, v) diagnosis of tumors with neuroendocrine differentiation, and vi) analysis of gold nanoparticles. At first glance, these subtitles did not highlight gastrointestinal issues, which would make readers feel very confused.

Response: Thank you for taking the time and effort to review our manuscript. In accordance with the comments, we have revised the Abstract to clearly describe that the topics included in the present article are related to gastrointestinal diseases.

2. The choice of keywords is also very confusing and does not summarize the core of the whole article.

Response: Thank you for your comment. We have replaced some of the keywords.

3. In the INTRODUCTION, Based on its versatility, electron microscopy analysis has been used in several studies covering various aspects of clinical samples and a diverse range of basic research in the field of gastroenterology.clinical samples include gastroenterology, you put them together It seems inappropriate. (The full manuscript has a lot of questions like this, which must be revised).

Response: We have revised the sentence in the Introduction section.

4. The part of ANALYTICAL METHODS IN ELECTRON MICROSCOPY is actually a bit

confusing, because the three different types of electron microscopes can be cross-applied in the field of biology (scanning electron microscopes can be used to observe the microscopy of tissues, cell surfaces or fracture surfaces. And the submicroscopic structure and the surface structure of larger granular samples (3nm-10nm), this is also applicable to the observation of some virus infections and bacterial infections.), the author should be taken together write three different instruments independently write some confusion.

Response: Thank you for your valuable comment. We removed the subheadings in the ANALYTICAL METHODS in ELECTRON MICROSCOPY section. In addition, we added several sentences to indicate that the different types of electron microscopes are related and often applied concurrently in the field of biology.

5. Since it is a minreview, I think the part of EXAMPLES OF ELECTRON MICROSCOPY ANALYSES should be reduced to summarize the essence.

Response: We have removed as many sentences as possible in the EXAMPLES OF ELECTRON MICROSCOPY ANALYSES section to minimize the length of the text.

6. In the part of Lanthanum deposition, the author quoted pictures. All use of pictures should be authorized by the journal publisher; otherwise there will be copyright disputes (Figure 3 should also be authorized, although it is a paper published by your team, but also should be authorized by the journal publisher).

Response: None of the images included in the figures appeared in the previous article. Thus, there was no copyright infringement.

7. Enteroliths and bezoars, I think the second paragraph is the result of your previous research, which can be summarized if the key description is redundant.

Response: In accordance with the Reviewer's comments, we have removed some sentences and shortened the text.

8. The description of Pathogens, including bacteria, parasites, and viruses in this small chapter is good. Each chapter should be written in this way, which is clear and easy for readers to read. (But the subtitle does not highlight the gastrointestinal relationship at all,

which is particularly bad.)

Response: We have revised the subtitle.

9. Tumor with neuroendocrine differentiation, Transmission electron microscopy revealed that neuroendocrine tumor cells contained numerous dense-core secretory granules of variable sizes and shapes in the cytoplasm. Because these neurosecretory granules are characteristic of neuroendocrine tumors, electron microscopy analysis has been used to support its diagnosis. What is the correlation between this and intestinal tumors? Clearly stated in the gut!

Response: Neuroendocrine and mixed neuroendocrine neoplasms can occur in the gastrointestinal tract. Electron microscopy has been applied to neuroendocrine tumors of the gastrointestinal tract. Accordingly, we added several sentences to this section.

10. Gold nanoparticle, this part is even more so, what does it have to do with gastrointestinal disease? How do readers understand?

Response: Endoscopic fluorescence-guided near-infrared photothermal therapy using gold nanoparticles is in development for the treatment of gastrointestinal tumors. We have added a sentence to indicate this.

11. CONCLUSIONS has the same problem;, please modify the subtitle.! 12. Please verify the reference format again! Individual format is obviously wrong and not serious.!

Response: We have revised the Conclusion section in accordance with the comments.

12. Please verify the reference format again!

Response: We have revised the References section to address this comment.