

March

21, 2019

Prof. Giuseppe Biondi-Zoccai

Editors-in-Chief of World Journal of Meta-Analysis,

Dear Prof. Giuseppe Biondi-Zoccai;

Attached is our revised manuscript entitled “Artificial Intelligence for endoscopy.” (No. 49948)

We would be grateful if the manuscript could be reviewed and considered for publication in World Journal of Meta-Analysis.

Following the specific reviews of the reviewers, we revised and rewrote. Our responses to the reviewer are in the following pages.

I am looking forward to your favorable reply.

Best regards,

Hiroyuki Imaeda, M.D.

Department of Gastroenterology, Saitama Medical University  
38 Morohongo, Moroyama-machi, Iruma-gun, Saitama, 350-0495, Japan  
Phone: +81-49-276-1667  
Fax: +81-49-276-1667  
E-mail: imaedahi@yahoo.co.jp

## Reviewer's comments to Authors

### Reviewer #1

The paper of Artificial Intelligence for endoscopy provided new information in the field of endoscopy.

### Reviewer #2

Title and running title: accurately reflects the topic and contents of the paper. Abstract: 200 words, is appropriate, not structured. Key words: 4 key words, precisely define the content of the paper. Core tip: 57 words, is appropriate. Introduction: 63 words, is informative, the reader is acquainted with known facts about Ai in different fields of medicine. AI in endocopy: authors explain the possibilities offered by AI in identifying gastric cancer, neoplastic changes in the colon and various forms of gastrointestinal lesions. They also draw attention to the new acquisition they acquired in Japan ("EndoBrain"), an AI system used in "endocytoscopy" for colonic neoplasms detection. This imaging method uses special endoscope which magnifies the lesion 520 times and enables observation at the cell level as with a microscope. In the editorial, they also emphasize the possibility of "AI assisted" learning endoscopy and increasing accuracy in detecting early neoplastic lesions in the upper and lower gastrointestinal tract. References: 8, contemporary references from recent past (Dig Endosc 2014 – World Journal of Gastroenterology 2019), influential journals in this field (Endoscopy, Gastrointest Endoscopy...). Conflict of interest: the authors declared no conflict of interest. Opinion of the reviewer The editorial is interesting, congratulations. I suggest to accept the contribution with minor text corrections.

### Reviewer 3

1) The author should refrain from revisiting what is common knowledge.

The Editorial title promises an exciting insight into the world of AI in endoscopy. However, the manuscript is very superficial. Readers of such a manuscript would certainly have a basic idea of endoscopy and its use. So the author should refrain from revisiting what is common knowledge.

**Reply:** Thank you for your important comments.

We omit common knowledge about AI on page 5.

- 2) The readers would like to know specific avenues of AI in endoscopy, current applications, advantages and disadvantages compared to conventional endoscopic techniques and finally future directions.

**Reply:** Thank you for your important comments.

We add advantages on Page 9 and disadvantages on Page 9-10.

We add finally future directions on Page 10.

- 3) Minor comments a) Page 1, para 2, line 3 – what do the authors mean by ‘eodocytoscopy’?

**Reply:** Thank you for your important comments.

We change ‘eodocytoscopy’ to ‘eodocytoscopy.’

- 4) The editing service used only corrects spellings. The grammar needs major editing.

**Reply:** Thank you for your important comments.

This manuscript was edited by Editage ([www.editage.com](http://www.editage.com)) for English language editing.

Reviewer #4

Thanks and congratulations for the contribution. AI will be present in a near future certainly and it will be added in endoscopic field to improve diagnoses and also to help in therapeutic procedures.