To the Editor in Chief of Artificial Intelligence in Gastrointestinal Endoscopy

Dear Editor,

enclosed you find the revised version of our manuscript entitled **"Emerging artificial Intelligence applications in Gastroenterology: a review of the literature."**

We modified the paper according to reviewer comments, and we wish to thank the editors and referees for the helpful comments, which have greatly contributed to the improvement of the manuscript.

You will also find a letter itemizing the changes we have done, as point-by-point reply.

We hope that the paper is now acceptable for publication and look forward to hearing from you soon.

Sincerely yours,

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Response to Editor and Reviewers' comments:

Reviewer #1

A well attempted review with pertinent references.
Response: We thank the referee for the review and for his comments.

Comments; Difficult to match the world' emerging techniques' in the manuscript title to the main body of the submitted article. It would suit better, Emerging AI applications in gastro.....
Response: We thank the referee for this comment. We changed the title of manuscript "Emerging techniques of artificial Intelligence in Gastroenterology: a review of the literature in "Emerging artificial Intelligence applications in Gastroenterology: a review of the literature".

- Too much of non- AI text as prelude, for eg, Barretts / Gastric cancer etc, consider trimming the general text and adhere to AI related information
Response: We fully agree with this comment. We reduced the introductive text as requested for the following paragraphs: "Artificial Intelligence and Barrett's esophagus and esophageal cancer", "Artificial Intelligence and Gastric Cancer (GC)", "Artificial Intelligence in the identification of Helicobacter Pylori infection", Artificial Intelligence for colonic polyps and colon cancer.

- A few statements, not clear, to quote in page 3 "CNN takes machine learning a step further, the deep learning, to function similarly to the human brain.' There are many similar statements, that prove difficult for a general GI physician to understand, I would recommend to attend these grammatical components to make the manuscript more reader friendly
Response: We thank the referee for this comment. As suggested, we edit the sentence and we deleted difficult statement to make the manuscript more reader friendly.