



## PEER-REVIEW REPORT

**Name of journal:** Artificial Intelligence in Gastroenterology

**Manuscript NO:** 63298

**Title:** Artificial intelligence in gastrointestinal diseases

**Reviewer's code:** 05758135

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Japan

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2021-01-27

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-03-05 00:31

**Reviewer performed review:** 2021-03-07 00:44

**Review time:** 2 Days

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)  
**https://**[www.wjgnet.com](http://www.wjgnet.com)

#### **SPECIFIC COMMENTS TO AUTHORS**

This paper summarizes the AI applications for gastrointestinal diseases treatment. I think, a sufficient amount of literature has been surveyed as a mini-review. However, the way the paper is written is merely a list, which is not a review. At the very least, the authors should classify the systems presented in each of the papers surveyed. (Examples of elements that should be used for classification) Disease of interest, use (diagnostic or screening), user (specialist or non-specialist), limitations of use (legal, functional, etc.)



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Japan

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2021-01-27

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-04-12 00:17

**Reviewer performed review:** 2021-04-12 04:01

**Review time:** 3 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

Some minor revisions are required as follows; P.4: Why authors mentioned to



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7041 Koll Center Parkway, Suite  
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**Telephone:** +1-925-399-1568

**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)

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Agriculture here? In table 1: "Use" might be "Usage" or "Purpose"? There are some grammatical errors. In abstract: stateof -> state of bothdiagnosis -> both diagnosis  
In P. 5: patient's transcriptome -> patient's transcriptome In P. 6: Kather et al. found -> Kather et al. found



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** Artificial Intelligence in Gastroenterology

**Manuscript NO:** 63298

**Title:** Artificial intelligence in gastrointestinal diseases

**Reviewer's code:** 03850246

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Doctor, Professor

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2021-01-27

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-04-12 05:29

**Reviewer performed review:** 2021-04-12 06:04

**Review time:** 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

The paper is logically organized and well written



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** Artificial Intelligence in Gastroenterology

**Manuscript NO:** 63298

**Title:** Artificial intelligence in gastrointestinal diseases

**Reviewer's code:** 03093768

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Associate Professor, Doctor, Surgeon, Surgical Oncologist

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2021-01-27

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-04-12 11:23

**Reviewer performed review:** 2021-04-12 12:59

**Review time:** 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" type="checkbox"/> Grade E: Do not publish
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<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

The authors showed a big title of the paper, but the manuscript does not seem to be a



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**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)

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qualified review. The logical relationship of the full text is chaotic, and there is no corresponding sequence or connection within each part, which seems to be just a pile of documents. It should be possible to summarize the current state of AI applications from so many references. For example, in the section of "introduction", is there any connection between RNA edition and AI application? In the part of "APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) IN DIAGNOSIS OF GASTROINTESTINAL DISEASES", AI seems to be applied to almost all GASTROINTESTINAL DISEASES. Why not make some separate discussions on inflammatory diseases, tumor diseases, and other diseases? Or according to specific AI application models or application methods, such as endoscopy, pathological analysis, etc.? In the "APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) IN THERAPEUTICS OF GASTROINTESTINAL DISEASES" section, there is almost no clear specific content of AI in terms of therapy. By the way, words in the table cannot give readers a clear or clean information about AI application in gastrointestinal disease.