

## PEER-REVIEW REPORT

**Name of journal:** *Artificial Intelligence in Gastrointestinal Endoscopy*

**Manuscript NO:** 75143

**Title:** Artificial intelligence and machine learning in colorectal cancer; A review

**Provenance and peer review:** Invited manuscript; externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05388315

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-01-17

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-01-17 06:25

**Reviewer performed review:** 2022-01-17 08:06

**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<br><input type="checkbox"/> Grade D: Fair <input checked="" 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 Grade E: Do not publish            |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<br><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)<br><input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection             |
| <b>Re-review</b>          | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |
| <b>Peer-reviewer</b>      | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous   |



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statements

Conflicts-of-Interest: [ ☐ ] Yes [ ☒ ] No

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

The subjects for this review are very insufficient. The role of artificial intelligence in treatment selection, post-treatment follow-up, prognosis and toxicity should also be discussed. It may be better if the studies shown as examples are summarized in tables.

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**Peer-review model:** Single blind

**Reviewer's code:** 06190308

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-01-17

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-01-18 10:44

**Reviewer performed review:** 2022-01-27 08:01

**Review time:** 8 Days and 21 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<br><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<br><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 checked="" type="checkbox"/> Accept (General priority)<br><input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection             |
| <b>Re-review</b>          | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |
| <b>Peer-reviewer</b>      | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous   |

statements

Conflicts-of-Interest: [ ] Yes [Y] No

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

This review comprehensively discusses the researches on the application of artificial intelligence in the screening, diagnosis and treatment of colorectal cancer. Furthermore this review analyzes the limitations of artificial intelligence, which enlightens the future researches. The references are most recent published, which makes this review informative. However, there are still some problems in this review: 1. The Abstract is too long. The abstract should briefly summarize the article. 2. The discussion about the medical background should be streamlined. The discussion should focus on the integration of medicine and artificial intelligence.

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**Peer-review model:** Single blind

**Reviewer's code:** 05476667

**Position:** Peer Reviewer

**Academic degree:** PhD, PsyD

**Professional title:** Academic Research, Research Assistant, Research Fellow

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-01-17

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-01-17 03:27

**Reviewer performed review:** 2022-01-27 23:01

**Review time:** 10 Days and 19 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<br><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 type="checkbox"/> Grade B: Minor language polishing<br><input checked="" 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)<br><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</b>      | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous   |



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statements

Conflicts-of-Interest: [ ] Yes [Y] No

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

Dear authors The manuscript must be organized. •PLEASE, provide recommendations for practice and policy-making if sufficient, high quality evidence exists, or future directions for research to fill existing gaps in knowledge or to strengthen the body of evidence. •Please, clearly state aim and objectives, in sub-section as Current Study: It should be explicitly stated for the reader how the present study makes a unique contribution to the literature. •Paper needs major corrections to be concise, clear, and logically organized. •Abstract is lengthy.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** *Artificial Intelligence in Gastrointestinal Endoscopy*

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**Reviewer's code:** 05476667

**Position:** Peer Reviewer

**Academic degree:** PhD, PsyD

**Professional title:** Academic Research, Research Assistant, Research Fellow

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-01-17

**Reviewer chosen by:** Ji-Hong Liu

**Reviewer accepted review:** 2022-03-28 17:09

**Reviewer performed review:** 2022-03-28 17:14

**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<br><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<br><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 checked="" type="checkbox"/> Accept (General priority)<br><input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection             |
| <b>Peer-reviewer statements</b> | Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |

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

Thank you for your all efforts regard to revision.