

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 46356

**Title:** Application of artificial intelligence in gastroenterology

**Reviewer's code:** 00051373

**Reviewer's country:** Taiwan

**Science editor:** Ruo-Yu Ma

**Date sent for review:** 2019-02-12

**Date reviewed:** 2019-02-14

**Review time:** 13 Hours, 2 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

Well manuscript written.

### INITIAL REVIEW OF THE MANUSCRIPT

*Google Search:*



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## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 46356

**Title:** Application of artificial intelligence in gastroenterology

**Reviewer's code:** 00039316

**Reviewer's country:** Greece

**Science editor:** Ruo-Yu Ma

**Date sent for review:** 2019-02-12

**Date reviewed:** 2019-02-20

**Review time:** 17 Hours, 8 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

I reviewed with interest the manuscript entitled <Application of artificial intelligence in gastroenterology>. This is a mini review of a broad topic within the scope of this Journal. Authors provided general info about the evolution of artificial intelligence and listed publications related to its use in gastroenterology. The manuscript presents



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contemporary data on a hot topic; however, it is written in a narrative manner that makes the average reader get tired very soon. In order the reader to acquire the maximum benefit from their work, authors are encouraged to make certain major modifications: 1. A table of AI terminology is required 2. Authors should summarize the provided evidence in tables for each chapter. Table will include -beyond the bibliographic information, the type of study, number of subjects, the type of AI used, briefly the results and the applicability in clinical practice. Then, authors can critically review the evidence listed in the table in the main text instead of repeating the same info in a narrative manner. Authors are encouraged to discuss one study against the other -if applicable- to highlight benefits and limitations. Finally, at the end of each chapter, authors should state their future perspective regarding the discussed technologies. Providing general comments about the future of AI at the end of the manuscript is not sufficient since the potential might be different within the domains discussed. 3. The most appealing domain of gastroenterology for implementation of AI is endoscopy. Thus, I recommend focusing in depth in this section. Endoscopy of the small bowel should consist a different chapter. I would ask the authors to do their best in order to legitimately acquire endoscopy pictures from authors (and/or publishers) to enrich the paper. Sorry, endoscopy without picture/video is not endoscopy

## **INITIAL REVIEW OF THE MANUSCRIPT**

### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
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