

PEER-REVIEW REPORT

Name of journal: *Artificial Intelligence in Gastrointestinal Endoscopy*

Manuscript NO: 74630

Title: Artificial intelligence in endoscopy: More than what meets the eye in screening colonoscopy and endosonographic evaluation of pancreatic lesions

Provenance and peer review: Invited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00505755

Position: Editorial Board

Academic degree: PhD

Professional title: Senior Research Fellow

Reviewer's Country/Territory: Japan

Author's Country/Territory: India

Manuscript submission date: 2021-12-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-04 04:11

Reviewer performed review: 2022-01-06 06:13

Review time: 2 Days and 2 Hours

Scientific quality	☐ Grade A: Excellent ☐ Grade B: Very good ☒ Grade C: Good ☐ Grade D: Fair ☐ Grade E: Do not publish
Language quality	☐ Grade A: Priority publishing ☒ Grade B: Minor language polishing ☐ Grade C: A great deal of language polishing ☐ Grade D: Rejection
Conclusion	☐ Accept (High priority) ☐ Accept (General priority) ☒ Minor revision ☐ Major revision ☐ Rejection
Re-review	☐ Yes ☒ No



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Peer-reviewer statements	Peer-Review: [☒] Anonymous [☐] Onymous Conflicts-of-Interest: [☐] Yes [☒] No
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SPECIFIC COMMENTS TO AUTHORS

Figure 4 may be revised to indicate what green squares mean more in detail in the legend.

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Title: Artificial intelligence in endoscopy: More than what meets the eye in screening colonoscopy and endosonographic evaluation of pancreatic lesions

Provenance and peer review: Invited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05737072

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: India

Manuscript submission date: 2021-12-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-28 19:10

Reviewer performed review: 2022-01-28 19:11

Review time: 1 Hour

Scientific quality	☐ Grade A: Excellent ☐ Grade B: Very good ☒ Grade C: Good ☐ Grade D: Fair ☐ Grade E: Do not publish
Language quality	☐ Grade A: Priority publishing ☐ Grade B: Minor language polishing ☒ Grade C: A great deal of language polishing ☐ Grade D: Rejection
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SPECIFIC COMMENTS TO AUTHORS

The introduction section should be seriously improved. More explanations are needed to define the problem, its necessities and the literature review. You should review more papers in terms of multi-objective solution methods. Improve the literature review. Add several pieces of research in 2019 and complete table 1. Moreover, the following references can be used: Designing a sustainable closed-loop supply chain network of face masks during the COVID-19 pandemic: Pareto-based algorithms. Journal of Cleaner Production, 130056. Developing a sustainable operational management system using hybrid Shapley value and Multimoorra method: case study petrochemical supply chain. Environment, Development and Sustainability, 1-30. A Covering Tour Approach for Disaster Relief Locating and Routing with Fuzzy Demand. International Journal of Intelligent Transportation Systems Research, 18(1), 140-152. Sustainable supply chain network design using products' life cycle in the aluminum industry. Environmental Science and Pollution Research, 1-25. Hybrid artificial intelligence and robust optimization for a multi-objective product portfolio problem Case study: The dairy products industry. Computers & industrial engineering, 137, 106090. A comprehensive model of demand prediction based on hybrid artificial intelligence and metaheuristic algorithms: A case study in dairy industry. An integrated approach based on artificial intelligence and novel meta-heuristic algorithms to predict demand for dairy products: a case study. Network: Computation in Neural Systems, 1-35. Most of the methodological choices lack a clear motivation, and their impact on performance is not analysed on the manuscript. On the whole, there is no clear indication of where the authors see the main innovation and value of the methodology described.

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Provenance and peer review: Invited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05758135

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: India

Manuscript submission date: 2021-12-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-28 10:52

Reviewer performed review: 2022-01-31 09:04

Review time: 2 Days and 22 Hours

Scientific quality	☒ Grade A: Excellent ☐ Grade B: Very good ☐ Grade C: Good ☐ Grade D: Fair ☐ Grade E: Do not publish
Language quality	☒ Grade A: Priority publishing ☐ Grade B: Minor language polishing ☐ Grade C: A great deal of language polishing ☐ Grade D: Rejection
Conclusion	☐ Accept (High priority) ☐ Accept (General priority) ☒ Minor revision ☐ Major revision ☐ Rejection
Re-review	☒ Yes ☐ No

Peer-reviewer statements	Peer-Review: [☒] Anonymous [☐] Onymous
	Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

This manuscript describes what is currently possible and what is expected to be possible in the future, citing examples of AI applications in the detection and classification of tumors in gastrointestinal diseases, especially in the colon and bile ducts. The description is detailed and contains a sufficient amount of information. However, the description is not in the realm of a "mini" review. Rather, it should be classified as a "commentary". The format of the manuscript is as follows: introduction, description of AI technology, application to colorectal examination, and application to bile duct examination. This is good. However, there is no chapter on conclusions. I would like to see a chapter at the end that summarizes this entire manuscript. There is a list of references, but it is located immediately after the text and is not titled "References". The author's name is listed at the place of citation in Reference 52. This is a grammatical error in the way the references are cited.