PEER-REVIEW REPORT

Name of journal: Artificial Intelligence in Cancer

Manuscript NO: 64224

Title: Cancer Recognition of Artificial Intelligence

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: 2021-02-12

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-12 08:08

Reviewer performed review: 2021-02-12 13:01

Review time: 4 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good
	[ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] 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 [Y] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Great topic. The paper is well written and logically organized and as editorial can be appreciated in order to reinforce the importance of artificial intelligence to detect cancer. Several tools are now usable but the flow has to be increased. Some important references can be considered in order to highlight the impact of digital/AI in cancer detection. Would recommend to add the following references: Impact of image analysis and artificial intelligence in thyroid pathology, with particular reference to cytological aspects. Girolami I et al. Cytopathology. 2020 Sep;31(5):432-444. doi: 10.1111/cyt.12828. PMID: 32248583 Digital reporting of whole-slide images is safe and suitable for assessing organ quality in preimplantation renal biopsies. Eccher A et al. Hum Pathol. 2016 Jan;47(1):115-20. doi: 10.1016/j.humpath.2015.09.012. iPathology cockpit diagnostic station: validation according to College of American Pathologists Pathology and Laboratory Quality Center recommendation at the Hospital Trust and University of Verona. Brunelli M et al. Diagn Pathol. 2014;9 Suppl 1(Suppl 1):S12. doi: 10.1186/1746-1596-9-S1-S12.

PEER-REVIEW REPORT

Name of journal: Artificial Intelligence in Cancer

Manuscript NO: 64224

Title: Cancer Recognition of Artificial Intelligence

Reviewer's code: 05759436

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Japan

Manuscript submission date: 2021-02-12

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-17 00:27

Reviewer performed review: 2021-02-17 00:38

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [Y] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] 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 [Y] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This Editorial describes how AI recognizes cancer and the potential application of AI-oriented cancer therapeutics. However, the editorial did not carry out a comprehensive review on the application of artificial intelligence technology in cancer treatment, only mentioned several common algorithms, and failed to track the technological frontier.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: Artificial Intelligence in Cancer

Manuscript NO: 64224

Title: Cancer recognition of artificial intelligence

Reviewer's code: 05759436

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Japan

Manuscript submission date: 2021-02-12

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-03-04 01:27

Reviewer performed review: 2021-03-04 01:35

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [Y] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] 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 [Y] Rejection
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This article reviews the application of artificial intelligence technology in the field of

oncology lacks depth and breadth, only involves imaging diagnosis, and does not mention the research progress of artificial intelligence technology in genomics and pharmaconomics.