Name of journal: *Artificial Intelligence in Medical Imaging*

Manuscript NO: 74297

Title: Artificial Intelligence: Advances and New Frontiers in Medical Imaging

Provenance and peer review: Invited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 03093768

Position: Editorial Board

Academic degree: MD

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

Reviewer’s Country/Territory: China

Author’s Country/Territory: United States

Manuscript submission date: 2021-12-20

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-21 13:01

Reviewer performed review: 2021-12-29 11:23

Review time: 7 Days and 22 Hours

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SPECIFIC COMMENTS TO AUTHORS
It is a great manuscript focus on AI application in medical imaging. As you can see from the title, the authors' topic is AI and medical imaging. The paper mainly summarizes the application progress and limitations of AI in radiological imaging medicine. Obviously, medical imagings are not only radiological imagings, but also endoscopic imagings or videos, and pathological imagings. If relevant discussions are not held at the same time, the subject headings should be appropriately qualified.
**PEER-REVIEW REPORT**

**Name of journal:** Artificial Intelligence in Medical Imaging  
**Manuscript NO:** 74297  
**Title:** Artificial Intelligence: Advances and New Frontiers in Medical Imaging  
**Provenance and peer review:** Invited manuscript; externally peer reviewed  
**Peer-review model:** Single blind  
**Reviewer’s code:** 05775860  
**Position:** Editorial Board  
**Academic degree:** PhD  
**Professional title:** Assistant Professor  
**Reviewer’s Country/Territory:** China  
**Author’s Country/Territory:** United States  
**Manuscript submission date:** 2021-12-20  
**Reviewer chosen by:** AI Technique  
**Reviewer accepted review:** 2021-12-30 03:05  
**Reviewer performed review:** 2021-12-31 07:31  
**Review time:** 1 Day and 4 Hours

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SPECIFIC COMMENTS TO AUTHORS
The manuscript entitled “Artificial Intelligence: Advances and New Frontiers” reports a mini review that introduces the current progresses of artificial intelligence (AI), including both successes and limitations, in the field of radiology and provides opinions on AI for radiologists. Overall, the manuscript is well prepared and well written. I recommend publication of this manuscript.
Name of journal: Artificial Intelligence in Medical Imaging

Manuscript NO: 74297

Title: Artificial Intelligence: Advances and New Frontiers in Medical Imaging

Provenance and peer review: Invited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 05740520

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer’s Country/Territory: India

Author’s Country/Territory: United States

Manuscript submission date: 2021-12-20

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-30 03:36

Reviewer performed review: 2022-01-02 07:51

Review time: 3 Days and 4 Hours

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SPECIFIC COMMENTS TO AUTHORS

The paper is generally well written and structured. However, in my opinion, the article has some shortcomings in regards to some data analyses and text. More generally, I suggest focusing the manuscript on the scientific results rather than on the Innovation. Figure caption should have a brief title that describes the entire figure and the description of the figure is required in the text.