

PEER-REVIEW REPORT

Name of journal: Artificial Intelligence in Medical Imaging

Manuscript NO: 57292

Title: Breast DCE-MRI and radiomics: state of art

Reviewer's code: 03367600

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Italy

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Reviewer chosen by: AI Technique

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

1. The topic of this article is relatively new. It uses radiology model and texture analysis to distinguish the heterogeneous histopathological subtypes of breast cancer and the entropy-based features in the symbiotic matrix, and describes the current application of radiomics in breast dynamic contrast-enhanced MRI, which has certain scientific significance. 2. The author should include more references to the correlation between DCE-MRI and breast cancer receptor status, and it is best to specify the results of the correlation. 3. The application of DCE-MRI to predict the pathological reaction of neoadjuvant chemotherapy in breast cancer patients is correlated with the stage of breast cancer and the type of chemotherapy drugs used. Although there is currently controversy, it cannot be generalized when it is elaborated. 4. The authors can increase the content of whether DCE-MRI radiology can predict axillary lymph node residual metastasis in patients with neoadjuvant chemotherapy or negative imaging for breast cancer, and further explain whether it can replace the pathological evaluation of axillary lymph nodes for breast cancer, so as to increase the validity of this technique in the evaluation of axillary lymph node metastasis. 5. It is recommended to accept after modification.