

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 72207

**Title:** Unusual magnetic resonance imaging findings of brain and leptomeningeal metastasis in lung adenocarcinoma: A case report

**Provenance and peer review:** Unsolicited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06149258

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Morocco

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-10-18

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-10-19 13:39

**Reviewer performed review:** 2021-10-19 16:15

**Review time:** 2 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="checkbox"/> ] Anonymous [ <input type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
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#### **SPECIFIC COMMENTS TO AUTHORS**

I congratulate you for submitting a good article and especially well written according to the standards of the journal. Please try to correct some spelling mistakes try to reduce the abbreviations in the title, and In the abstract at the level of the CASE SUMMARY, try to reformulate the sentence, because one risks to understand that the adenocarcinoma of the lung was of metastatic origin

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**Peer-review model:** Single blind

**Reviewer's code:** 06115840

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Professor

**Reviewer's Country/Territory:** Viet Nam

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-10-18

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-10-18 06:00

**Reviewer performed review:** 2021-10-20 03:18

**Review time:** 1 Day and 21 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" 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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No
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#### **SPECIFIC COMMENTS TO AUTHORS**

The case reported a 76-year-old male, diagnosed of brain and leptomeningeal metastasis from lung adenocarcinoma. The MRI images of the brain showed subtle peri-tumor edema, which was fairly unusual for brain metastasis. The paper could be accepted pending minor revision. Firstly, the intra-operative image and the macroscopic image of the tumor should be added, as the surgery to remove the tumor was an important part in diagnosis and treatment of the condition. Secondly, the CSF results should be added, as the author stated leptomeningeal metastasis.

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**Peer-review model:** Single blind

**Reviewer's code:** 04543416

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Chief Doctor, Professor

**Reviewer's Country/Territory:** Turkey

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-10-18

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-10-19 07:33

**Reviewer performed review:** 2021-10-21 05:47

**Review time:** 1 Day and 22 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" 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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="checkbox"/> ] Anonymous [ <input type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
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## SPECIFIC COMMENTS TO AUTHORS

Dear Authors, It would be more appropriate to use the term "isolated or focal gyriform appearance" instead of "Unique gyriform appearance" used in the study. Diseases with leptomeningeal involvement were not discussed sufficiently in the study (For example, leptomeningitis, vasculitis, neurosarcoidosis, inflammatory involvement of rheumatological diseases, etc.). Differential diagnoses should be developed in the discussion section. If the patient was detected during the Covid-19 pandemic, Covid-19 must be specified in the differential diagnosis. It should be noted that even if it has been detected before, Covid-19 can still have similar involvement. In the radiological discussion, it should be noted that the contrast-enhanced T2-weighted FLAIR sequence can better detect leptomeningeal tumoral or infective-inflammatory involvement. A limitation of this study is that other, smaller areas of metastasis on the leptomeningeal surfaces may have been overlooked because contrast-enhanced T2-weighted FLAIR was not taken. It should also be emphasized in the study that leptomeningeal metastases usually present with more diffuse involvement, and isolated ones can be seen less frequently. In the discussion, the findings of advanced radiological imaging methods (such as perfusion MR) should be explained in more detail in the differential diagnosis of diseases with leptomeningeal involvement. Best regards...