

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 80311

Title: Perivascular epithelioid cell tumors of the liver misdiagnosed as hepatocellular carcinoma: Three case reports and a literature review

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06370383

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2022-09-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-22 12:49

Reviewer performed review: 2022-09-22 17:16

Review time: 4 Hours

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|---------------------------|--|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Language quality | <input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> <input checked="" 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 |

**Peer-reviewer
statements**

Peer-Review: [☒] Anonymous [☐] Onymous

Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

The case report is well-structured and clinically meaningful. The manuscript is overall clear and well written, even though there is room for improvement in the text. The Authors should state some perspectives on improving the accuracy of diagnoses for the hepatic PEComa. And the authors should provide a better description of the clinical and pathological features that characterize hepatic PEComa and how they deviate from features that are found in malignant lesions. Additional comments can be found hereafter. 1. The Informed Consent provided by authors was signed by one patient, while there were three cases reported. The authors should inform the all three patients and provide the signed Informed Consent. Introduction 2. Page 2, line 2, it should read "...neoplasms (PEComas) are mesenchymal tumors..." Case Report 3. Please describe the details of the lesion in different phases of contrast-enhanced MRI. The characteristic of the lesion in different phases might indicate the possible diagnose. 4. Page 5, line 14. Are there more lesions found in the arterial phase of MRI? Please describe the features of the other lesions excluding the mentioned lesion, such as in size, shape and enhancement. 5. Page 5 line 14, it should read "...it appears to be an HCC nodule." 6. Page 6 line 6, it should read "...account for the elevated CA125." 7. Page 6 line 12, it should read "...delayed phases decreased rapidly, and the strengthening method showed a rapid..." 8. Page 6 line 17, it should read "... The boundaries of the lesion were clearly" 9. Page 7 line 8, it should read "...the 30-year-old woman, it was an ovarian..." Discussion 10. In the part of discussion, author should summarize the characteristics of PEComa differentiating from other diseases by reviewing the recent studies. 11. The reasons that why the frozen pathological examinations were helpless in these three cases



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should be discussed, as the pathological features of PEComa are quite different from the HCC. 12. As the difficulty of differential diagnoses between PEComa and HCC, authors should discuss the other possible methods to figure out the characteristics of PEComa, such as the contrast-enhanced ultrasound and core needle biopsy, before surgery. Conclusion: 13. The conclusion should be condensed.

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Reviewer's code: 06053701

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor, Chief Doctor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: China

Manuscript submission date: 2022-09-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-21 04:34

Reviewer performed review: 2022-11-02 02:20

Review time: 11 Days and 21 Hours

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|--------------------|---|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
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| Peer-reviewer statements | 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

1. author should submit an english editing service certificate 2. this paper should be checked by an english editing service