

## PEER-REVIEW REPORT

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

**Manuscript NO:** 80668

**Title:** Relapsed primary extraskeletal osteosarcoma of liver: A case report and review of literature

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

**Peer-review model:** Single blind

**Reviewer's code:** 06366731

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Lecturer

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

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

**Manuscript submission date:** 2022-10-31

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-31 15:22

**Reviewer performed review:** 2022-11-01 03:54

**Review time:** 12 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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<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

## SPECIFIC COMMENTS TO AUTHORS

Primary osteosarcoma of the liver is rare entity with a dozen of cases documented in the literature. While often found in the soft tissue of the limbs, Di et al. presents a new case of this rare neoplasm in the liver of a 76-year-old male. A CT scan show a liver enlargement with a giant cystic-solid mass. Pathological examinations reveal fibroblastic malignant cells producing lace-like osteoid matrix. The authors conclude that diagnosis of ESOS requires pathology and immunohistochemistry for confirmation. Overall, the report is well-written and provide useful clinical information regarding this rare type of cancer. However, I have some questions/comments as described below to improve the manuscript.

1. This report lacks comprehensive discussion regarding how this presented case is different from or similar to other previous reports of primary hepatic osteosarcoma.
2. Primary osteosarcoma of the liver is previously diagnosed with cirrhosis. Is there information regarding this issue?
3. While several markers were examined for immunohistochemistry, the authors show a weak staining result of SATB2 as a main figure (Figure 4). What is the significance of expression of SATB2 in the tumor? The authors should elaborate their rationale of presenting this specific piece of evidence.

4. For Figure 3, arrows and insets could be very helpful for readers to understand the histological descriptions provided by the authors in the figure legends. 5. Image(s) of macroscopic view of the tumor should be included in the report potentially along with Figure 3. 6. Is there an examination of the tumor tissue from the ESOS recurrence in this patient? This information could be helpful for future studies of this neoplasm. Minor comments: 7. Please indicate the meaning of red arrows presented in all figures in the figure legends. 8. "The cystic fluid was already lost, and the grayish-red and grayish-yellow solid area of the tumor was soft with a cut-fish-like surface." This sentence was repeated twice (pg. 4). 9. Correct the verb tense (the word 'continue') under "Treatment" section pg. 5

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**Reviewer's code:** 05342613

**Position:** Editorial Board

**Academic degree:** FACS

**Professional title:** Professor

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

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

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**Reviewer performed review:** 2022-11-03 06:37

**Review time:** 1 Day and 19 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<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

## SPECIFIC COMMENTS TO AUTHORS

1 Title. YES    2 Abstract. YES    3 Key words. YES    4 Background. YES, Descriptive    5 Methods. Suitable    6 Results. Well described    7 Discussion. Suitable but needs some more information about ESOS in the literatures. Examples: Number of the reported case or clinical study ??, Just liver. %? About the tumor free margin of the resected specimen. This may be the reason of early recurrence.    8 Illustrations and tables. Sufficient    9 Biostatistics. N/S    10 Units. YES    11 References. Suitable. Contemporary    12 Quality of manuscript organization and presentation. Well described and discussed    13 Research methods and reporting. Suitable    14 Ethics statements. Suitable

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**Peer-review model:** Single blind

**Reviewer's code:** 06247221

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

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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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

In this article, Qiu-Yi Di and colleagues report a rare case of primary extraskeletal osteosarcoma of liver. However, several issues need to be addressed: 1 - In the abstract, there is a similar phrase in BACKGROUND and CASE SUMMARY. Authors must eliminate one of the sentences. 2 - The initial part of the Core Tip is exactly the same as the abstract. 3 - Page 4: "A 76-year-old male readmitted to the hospital due to abdominal distension and pain.". Please correct the sentence: "A 76-year-old male was readmitted..." 4 - How long after hospital discharge was the patient readmitted? 5 - Page 4: "The patient wanted the mass removed". Was the surgery performed just because the patient wanted it? Was the case discussed in a multidisciplinary cancer group meeting? Why was a biopsy of the lesion not performed? 6 - Page 4: "The cystic fluid was already lost, and the grayish-red and grayish-yellow solid area of the tumor was soft with a cut-fish-like surface." This sentence is repeated twice in the manuscript. 7 - Was the lesion completely removed in surgery? 8 - Laboratory examinations - Other analytical tests should be mentioned, such as blood count, liver profile, coagulation function and other tumor markers. 9 - "The patient received capecitabine monotherapy



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and was discharged 34 days after surgery.” and “Seven days after surgery, the patient died of multiple organ failure.” Authors should better clarify each of the temporal events  
10 - “Considering that the patient had inferior vena cava compression, stenosis, and a large amount of ascites, stent implantation in the inferior vena cava and transcatheter arterial chemoembolization were performed.” - This sentence refers to TREATMENT and not FURTHER DIAGNOSTIC WORK-UP. 11 - Has a bone scan or other bone-directed examination been performed?