

# Peer Review File

Article Information: <https://dx.doi.org/10.21037/tcr-22-122>

## Reviewer A

This is a case report of 47 years old lady with mesenchymal chondrosarcoma of lumbar vertebra undergoing resection and PSF.

Major revisions:

Abstract: Authors describe that adjuvant radiotherapy was planned, but it is not clear in the abstract if it was administered or not. Please mention that patient could not receive adjuvant radiotherapy in the abstract. The concluding statement about adjuvant radiotherapy makes it confusing.

Reply: We are very sorry for this, and we have added to the Abstract the reasons why patients cannot receive adjuvant radiotherapy and revised our conclusions about adjuvant radiotherapy.

Changes in the text: See lines 23-25 and 29-30 on page 2, and lines 186-188 on page 9.

Minor revisions:

1. Mesenchymal chondrosarcoma is considered a high-grade malignancy. The presenting history of dull back pain for 20 years is rather strange. Authors briefly discuss the presentation in the discussion section (lines 100-101). I would suggest to kindly expand on this, citing presentation in the 5 other case reports.

Reply 1: We have re-written this part according to the Reviewer's suggestion.

Changes in the text: See lines 128-131 on page 6-7 of the text.

2. The manuscript requires editorial revision. Mentioned below are some of the revisions, but please have an English medical editor revise the manuscript.

Reply: This article has been revised by professional medical English editors, and the relevant modification certificate is submitted in the attachment.

a. Line 40: Radioactive pain in both lower limbs: please change to radiation of pain to both lower limbs

Reply a: We have made correction according to the Reviewer's comments.

Changes in the text: See line 48 on page 3 of the text.

b. Line 41: '...above symptoms in one month', please change to 'in the last one month'.

Reply b: We have made correction according to the Reviewer's comments.

Changes in the text: See line 49 on page 3 of the text.

c. Line 43: Physical examination: please change 'positive pressure and percussion pain' to tenderness to palpation.

Reply c: We have made correction according to the Reviewer's comments.

Changes in the text: See line 51 on page 3 of the text.

d. Line 45: Change: 'Anterior tibial..' to 'Anterior tibialis'

Reply d: We have made correction according to the Reviewer's comments.

Changes in the text: See line 52 on page 3 of the text.

e. Line 45: triceps muscle strength of the lower limbs? I am not sure what muscle is authors referring to?

Reply e: We are very sorry for our incorrect writing, we have revised the wording in the text and here it should be calf triceps muscle strength.

Changes in the text: See line 53 on page 3 of the text.

f. There are some other errors that need to be corrected. Please spell out SFT as solitary fibrous tumor, the first time abbreviation is used in the text.

Reply f: We have made correction according to the Reviewer's comments.

Changes in the text: See line 157 on page 8 of the text.

## **Reviewer B**

The case report described the primary mesenchymal chondrosarcoma of the lumbar spine. The case is relatively rare and the treatment outcome, in this case, is a good clinical course although follow-up duration is a limitation of this study.

Line 52 How did the authors do the biopsy? CT-guide?

Reply: A vertebral bone biopsy was performed under the guidance of C-arm X-ray machine.

Changes in the text: See lines 60-62 on page 3 of the text.

Line 61-66 It should be important to describe the operative procedure and findings in detail because wide tumor resection should be difficult at the spinal lesions.

Reply: We have re-written this part according to the Reviewer's suggestion.

Changes in the text: See lines 70-88 on page 4-5 of the text.

Figure.1 The arrows in Figure.1 are not necessary. I recommend the axial view should be added.

Reply: We have made correction according to the Reviewer's comments.

Changes in the text: See Figure.1.