

Dear Reviewer:

I am very grateful to your comments for the manuscript. We have checked the manuscript and revised it according to the comments. We submit here the revised manuscript.

Some of your questions were answered below. If you have any question about this paper, please don't hesitate to let me know.

Sincerely yours

Zheng-Min Chu

Geng-Huan Wang

2021.3.13

1. What was the preoperative diagnosis or differential diagnosis?

**Answer:** The preoperative diagnosis was left temporal soft tissue sarcoma, and metastatic tumor cannot be ruled out.

2. Is preoperative FNAC or biopsy advisable in such cases?

**Answer:** The patient was diagnosed preoperatively as a soft tissue sarcoma. Surgical resection is the first choice for soft tissue tumors that can be completely removed. The resection of the tumor at this site does not affect the patient's ability to live and work. Skull defects can also be

repaired later, and the 3-4 cm diameter skull defect in this site did not seriously affect the appearance. Therefore, it was recommended to directly surgically remove the tumor. We also provided patients with an alternative treatment option, in which the first step was a biopsy to confirm the diagnosis. The patient chose to surgically remove the tumor directly, and the informed consent was signed by the patient.

3. Is there any role of neoadjuvant therapy in such cases to allow preservation of underlying structures and reduce low recurrence?

**Answer:** Surgery can completely remove the tumor and did not affect the patient's ability to live and work. The patient chose to surgically remove the tumor directly, and did not undergo a biopsy. Because the tumor increased in a short period of time, the patient's psychological burden was great, and the patient urgently required tumor resection as soon as possible. Therefore, preoperative neoadjuvant therapy was not considered.

4. Please provide the details about the chemotherapy and radiotherapy given to the index case.

**Answer:** The patient underwent a chemotherapy protocol consisting of vincristine, ifosfamide, etoposide and was planned to complete 8 cycles. He also received a total of 50.4 Gy of radiation.

5. Please complete the figure legend 4.

**Answer:** I have completed the figure legend 4.

6. Please provide immunohistochemistry images if available.

**Answer:** I am sorry that the pathology report of our hospital only provides results for immunohistochemistry, but does not provide images.