Reviewer’s report

Title: Successful joint preservation of distal radius osteosarcoma by en bloc tumor excision and reconstruction using a tumor bearing frozen autograft: a case report

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Reviewer: Xiuchun YuD

Reviewer’s report:

This is a good report about distal radius malignant bone tumor treated by en bloc resection with joint preservation of the wrist and reconstruction with tumor bearing frozen autograft. The authors followed-up this patient with 41 months and received normal joint function and free of tumor.

Some questions about this paper should be answered.

1. About the diagnosis of the patient: From the radiological data, we can detect a huge extraskeletal tumor surrounding the radius and the intramedullary tumor is very small. So the patient might be diagnosed as periosteal osteosarcoma. Please give enough radiological and pathological data to support your diagnosis.

2. About the courses of preoperative chemotherapy: In general, the patient of osteosarcoma received 2-3 courses of preoperative chemotherapy. The author give the patient of this paper six courses preoperative chemotherapy. So we want to know the reasons and if there are literatures related to this paper.

3. Safe margin for this patient is very important. In this paper, the authors tell us "this technique must be applied to select patients, i.e., those with metaphyseal osteosarcoma with an articular surface, a subchondral bone, a collateral metaphyseal cortex preserved after adequate , , ,". but we want to know how to achieve safe margin during operation.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.
Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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