Reviewer’s report

Title: Transcatheter arterial chemoembolization improves the resectability of malignant breast phyllodes tumor with angiosarcoma component: A case report

Version: 1 Date: 19 Jun 2019

Reviewer: Yiping Wang

Reviewer's report:

1. On page 7, line 7, it is best to modify the sentence into that No evidence of distant metastasis was observed depending on Whole-body CT.

2. Table 1 was not found in the literature

3. On page 9 and line 1-4, However, after four courses of additional chemotherapy and two fractions of radiotherapy, the patient refused further treatment and was lost to follow-up. The meaning of this sentence was ambiguous. Did the patient receive radiotherapy or not after surgery?

4. Describe the size of the tumor, in cm or cm^2, which one is correct?

5. The size of the tumor was measured by CT examination before surgery. on the 21st and 22nd pages (Fig. 2a and 2b), the pictures show the size of tumor was 19.43 × 12.98 × 21.47 cm, which was different from the volume in the size of 19.3 × 13.5 × 18.4 cm described in abstract and case presentation. 16 pages, 20-23 lines, the number of 19.5 × 13.0 × 20.7 cm was also different.

6. Related literatures support the removal of the pectoralis major muscle if the tumor invades the pectoralis major. In this case report, after received chemoembolization, although the patient' tumor volume was reduced, MRI-related imaging data were not provided. So it was not enough to rule out that the chest wall lesion may still exist. Although the pathological results showed that the incision margin tumor cells were negative, there were still microscopic lesions in the chest wall. Therefore, there is controversy about the treatment of patient without resection of the pectoralis major. Please explain the reasons. Please discuss whether the rapid recurrence in the short term after surgery is related to the surgical method.

7. In the communication between the doctor and patient before surgery, was it recommended that patient should take adjuvant treatment after surgery? If the patient refused at first, should the doctors consider expanding the scope of surgery? and it may be helpful for improving the prognosis.

8. Malignant phyllodes tumors have a poor prognosis with other sarcomas component at the same
time. According to the characteristics of the tumor, the effectiveness and sensitivity of different adjuvant therapies applied to improve the prognosis, including radiotherapy, chemotherapy and combination, that should be discussed and can be a reference for other readers.

**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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