Reviewer’s report

Title: The prognostic significance of the neutrophil-to-lymphocyte ratio and the platelet-to-lymphocyte ratio in giant cell tumor of the extremities

Version: 0 Date: 13 Dec 2018

Reviewer: Dedong Cao

Reviewer's report:

In this retrospective study, the authors tried to evaluate the connection between NLR and PLR and the prognosis of patients with giant cell tumor. They found that NLR (HR=4.18, 95% CI: 1.83~9.57) was an independent prognostic factor for giant cell tumor of bone. The study sounds good and are well written. However, several concerns should be addressed.

1. Why the NLR and PLR before treatments were chosen as the factors but not other immune indicators, besides the reason mentioned in the introduction.

2. In the abstract section, this sentence "The clinical parameters of 163 patients who were diagnosed with GCT of the extremities from July 2008 to July 2018 were retrospectively analyzed." told us some of the patients could be diagnosed and included in 2018. Did these patients reach the end of follow-up? When did these patients receive surgery or other anti-tumor treatments, and entered the follow-up stage?

3. It is mentioned in the method section that all inflammatory markers were obtained before anti-tumor therapy, such as surgery. Please specific the timing of blood test, and the times of testing. Two weeks before surgery or other?

4. For the participants, did they have other chronic diseases, such as diabetes? These disease history could have a huge impact on the results of blood test.

5. The definitions of high or low NLR and PLR are important to determine the predictive roles of NLR and PLR. The optimal cutoff value was used to divide the patients into two groups. Did the authors try other higher cutoff values, and what's the results. In addition,
the prognostic roles of NLR and PLR should be compared with factors that have been well known in this tumor, or clinical imaging result, such as CR, PR or metastasis.

6. How did the authors minimize the selection bias.

7. Please state the reasons of lost to follow up.

**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.

Yes

**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.

I am able to assess the statistics

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Please indicate the quality of language in the manuscript:

Acceptable
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