Reviewer's report

Title: Outcome of clavicle bone cement prosthesis for reconstruction of bone detect after tumor resection in five cases: a case series study

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Reviewer: Zheng Guo

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The clavicle is a rare site for bone tumors. Compared to claviculectomy, Bone cement prosthesis is a feasible method for local reconstruction after clavicle malignancies resection. The author provide a new alternative for patients who wish to maintain better function, however, this study has few issues should be addressed prior to consideration of publication.

Minor Essential Revisions

1. Is there a functional difference between the medial and lateral reconstruction of the clavicle? What causes the “mild pain at long term after operation”? Is it acromioclavicular joint instability, sternoclavicular joint instability or interface instability?

2. The authors should compare their results to the outcomes of other peer-reviewed literature.

3. Has the author observed any micro-motion at the bone-cement interface? If there’s any, how to increase the stability between bone and cement?

4. Spelling and grammatical errors like “detect” (should be defect) should be corrected. Recommend for further language polishing.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests