

Dear editor,

We deeply appreciate the professional comments from you and all the reviewers, which can reflect the high quality of your journal. It is only with such comments that we can strive to improve the quality of our manuscript. We have carefully revised our manuscript according to every comment provided in your letter. All the revisions were marked in red in the revised manuscript. Additionally, the manuscript had been polished by EditSprings.

Thank you very much for sparing your valuable time to review our revised manuscript. We hope you will be satisfied with our response.

Sincerely yours,

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Reviewer reports:

**Reviewer 1 (Reviewer's code: 03216462):** The title reflects the subject of the study. This manuscript presents a clear and clinically useful message. It is well written in terms of clarity, style, and use of English language. Materials and methods are sufficiently detailed. The discussion section explains adequately the purpose of this study in the context of published information. The conclusions accurately and clearly explain the main results. The length of the manuscript is ideal. All figures are of good quality and relevant to the subject. All references are appropriate and current..

**Response:** Thank you for your recognition and professional comments.

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**Reviewer 2 (Reviewer's code: 02444715):** The paper: Three-dimensional computed tomography mapping of posterior malleolar fractures is presenting an important concept. The authors need to put more details in the methodology about the method used for mapping and data analysis. More figures can help the reader for better understanding of the concept.

**Response:** We deeply appreciate the professional comments from you. We have added more figures that could reveal detailed steps in the softwares (Mimics and 3D-matic) to Figure 2. And we showed more details about the definition of fracture mapping and data analysis (“**With increasing concern over the big data analytics, the distribution map of fracture lines (named Fracture Mapping) based on three dimensional CT has also been widely used in orthopedic fields to characterize fractures**”; “**The fracture characteristics of patients were analyzed using the frequencies and percentages for categorical variables as well as arithmetic means for continuous variables.**”). We think that these figures (“**Figure 2: The process of 3D fracture mapping in the softwares. The ankle fracture fragments were reconstructed, reduced and normalized to optimally match the standard template. Smooth curves were constructed on the model surface and then overlapped.**”) and the method description can help the reader for better understanding of the concept. Thanks for your valuable comments again. we look forward to your reply. Thank you.