Reviewer's report

Title: Biomechanical efficacy of AP, PA lag screws and posterior plating for fixation of posterior malleolar fractures: a three dimensional finite element study

Version: 0 Date: 28 Feb 2017

Reviewer: Luca Paolo Ardigo

Reviewer's report:

General comments

This manuscript aims at investigating the biomechanical effectiveness of three different posterior malleolar fractures fixation techniques by applying a finite element analysis approach. The authors manage to fulfill proficiently their aim.

Major Compulsory Revisions

I do not have any major compulsory revision.

Minor Essential Revisions

I do not have any minor essential revision.

Minor issues not for publication

(line 123) Input units…
(l355) patterns in…
(l149) (see…

Discretionary Revisions
I do not have any discretionary revision.

**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

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

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