Reviewer’s report

Title: Morphologic analysis of the proximal tibia after open wedge high tibial osteotomy for proper plate fitting

Version: 0 Date: 18 Aug 2016

Reviewer: Daichi Hayashi

Reviewer's report:

1. The meaning of the phrase "proper positioning" in the title is rather vague. What constitutes a 'proper' position?

2. Methods section of the abstract is too brief. Authors need to include the following items: inclusion and exclusion criteria of the subjects; more details of analytic methods; a sentence explaining the statistical tests used.

3. In results section of abstract, authors need to give a sentence explaining the demographic characteristics of the subjects included in the study.

4. In discussion section of abstract, the following sentence is grammatically incorrect. Please amend. "The radii of the shaft on the coronal plane were larger the radii of the head."

5. Introduction: OK

6. Methods: Was this a prospective or a retrospective study? Please state.

7. Methods: Please clearly state what the 'inclusion criteria' and 'exclusion criteria' were. Authors briefly imply these, but did not categorically state them.

8. Who performed the morphologic analysis/measurement? Give initials (if one of authors) and state the number of years of experience doing this kind of morphologic CT analysis.

9. There is no description of measurement error. Did authors take into account potential measurement error in their analysis?

10. There is no description of intra-observer or inter-observer variation. The same measurements should be repeated to calculate these variations. Ideally, a second reader should repeat the measurements and report inter-observer variability. If there is no suitable second reader, the
reader who did the original measurement should repeat the measurement and report intraobserver variability.

11. Overall impression is that the Methods section is too brief. Authors should give more detailed explanation of morphological analysis portion.

12. Results: When reporting p-values, the actual values should be reported (not just p<0.05 or p<0.01). I suggest reporting p-values to the third decimal places. Very small p-values can be reported as p<0.001.

13. Discussion/Conclusion: Please make sure that the stated conclusion matches the stated aim of the study.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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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