Reviewer’s report

Title: Accuracy of a non-invasive CT-based measuring technique for cement penetration depth in human tibial UKA.

Version: 0 Date: 01 Oct 2018

Reviewer: Reviewer 2

Reviewer's report:

PEER REVIEWER COMMENTS: To view the full report from the academic peer reviewer, please see the attached file.

REVIEWER COMMENTS FROM REPORT: Objective is clear, authors evaluated the dual energy based metal artifact reduction technique and histological evaluation to judge the accuracy of CT technique for cement penetration depth in human tibial UKA. Design & execution are scientific and well-taken. Interpretation is reasonable.

ADDITIONAL REQUESTS/SUGGESTIONS:

A table or schematic diagram to elaborate the methodology section would be helpful. The Discussion could be more elaborate--what could be the other clinical applications this algorithm can be helpful for, etc.

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.
Not relevant to this manuscript

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

Acceptable

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