Reviewer's report

Title: Trabecular distribution analysis of the proximal femur in patients with hip fragility fractures

Version: 2 Date: 12 February 2013

Reviewer: Gregory Chang

Reviewer's report:

Major Compulsory Revisions

METHODS
1. If the data are not normally distributed, then this could cause differences between groups. The authors should perform a non-parametric statistical test and compare groups and see if the differences remain significant.
2. Do the authors know the BMIs of the groups?
3. Do the authors know the gender distribution in the groups?

RESULTS
4. See methods above.

DISCUSSION
5. In this paper, the authors should list as additional limitations: the radiation dose required by CT, especially at 1 mm slice thickness, the inability to visualize individual trabeculae at this resolution of clinical CT scanning, the possibility for errors in measurement if, for example, the patient has marrow fat or subchondral sclerosis due to osteoarthritis or a marrow disorder

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: Yes, and I have assessed the statistics in my report.

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