Reviewer’s report

Title: Age and gender as determinants of the bone quality of the greater tuberosity: A HR-pQCT cadaver study

Version: 2 Date: 4 June 2012

Reviewer: Marcus Schmitt-Sody

Reviewer's report:

The authors present an highly interesting study investigating Micro CT analysis of cancellous bone at rotator cuff insertion in human individuals with ostoporosis. Especially the presented study adds essential information to the work previously published by Yakacki et al. in 2010 regarding handedness and gender. Furthermore the authors do not only report BMD but although several architectural parameters, that recently turned out to determine biomechanical characteristics.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

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

Declaration of competing interests:

I declare that I have no competing interests