Reviewer's report

Title: A Novel Device and Treatment Methodology for Reduced Pain and Improved Function in Knee Osteoarthritis: A Prospective Controlled Study

Version: 1 Date: 20 January 2010

Reviewer: Joseph Markenson

Reviewer's report:

Major Compulsory Revisions

The authors need to explain the section on Interventions. Second sentence reads "The device is calibrated to the individual patient according to pathology and motion characteristics". This needs to be expanded and we need to know if they did the same measurements comprising pathology and motion characteristics on the control group. Lastly if they did how did the groups compare. Were they similar with respect to pathology and motion characteristics or not. These points should also be commented on in the Discussion section. They also need to broaden the discussion of "recalibration" How was this done ? How many needed adjustment at first third and six weeks. Did they do the same measurements on the controls at first third and six weeks and even if they couldn't recalibrate(since no device was applied) Did the control group change?

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I was one of the authors on a poster presented at Eular in Barcelona on a repetitive motion device from another company which was developed for OA. I received travel allowances to present the poster but no honorarium,salary,stocks, or further consulting fees