Reviewer's report

Title: Efficacy of methylsulfonylmethane supplementation on osteoarthritis of the knee: a randomized controlled study

Version: 1 Date: 1 February 2011

Reviewer: Allen Sawitzke

Reviewer's report:

Major compulsory revisions -None
Minor essential revisions-
Please add discussion of why multiple comparisons corrections were not used or conversely adapt the manuscript after applying them appropriately.

Discretionary revisions-
I recommend that Table 2 be split into two tables, one with the primary outcome comparisons and non-adjusted statistical assessments at 12 weeks and a second showing the adjusted results and other secondary outcome results. This will keep the focus on the primary outcome at 12 weeks.

Also figures 2 and 3 add very little and could be removed especially as confidence interval bars should be shown which then would be very overlapping.

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

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I have no competing interests.