Reviewer's report

**Title:** An Evaluation of the Quality of Statistical Design and Analysis of Published Medical Research: Results from a Systematic Survey of General Orthopaedic Journals

**Version:** 1  **Date:** 31 January 2012

**Reviewer:** Bengt I Eriksson

**Reviewer's report:**

This study is of high importance and could have impact on researchers.
Methodology is correct
Results are presented in a clear way
Discussion is covering the subject and the discussing the results of the study in good way
Conclusions are well supported by the results of the study

**Minor comments:**
The four categories of studies (RCT, CC, L, CS) are very different, hence it would have been very interesting also to see separate analyses of these different categories of studies.

It would also be interesting to compare different journals in a simple way by presenting a kind of 'range' of quality, i.e. identify a few key quality criteria and based on this present how many journals did have acceptable quality, i.e. were at the upper end of the quality scale and how many did not have acceptable quality regarding these key quality criteria.

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

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

**Declaration of competing interests:**

I declare that I have no competing interests