Reviewer's report

Title: Patients with Osteoarthritis Have Better Functional Outcomes compared to Rheumatoid arthritis after primary hip arthroplasty: A cohort study

Version: 1 Date: 1 August 2013

Reviewer: Jack I Williams

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Singh and Lewallen combined data from the Mayo Total Joint Registry, clinical records and patient outcome surveys at 2 years and 5 years after primary THAs to estimate if patient related outcomes were related to the underlying diagnoses of RA, OA, AVN or other diagnoses. The response rates declined over time and were lower for patients who lived the larger distances from Rochester, Minnesota. They followed the procedures recommended in the STROBE statement in methods, analysis of data and reporting of results. In so doing they provide sound evidence to indicate that patients with RA had worse functional outcomes that patients with OA, AVN other diagnoses. The limitations of the cohort study are clearly stated. The findings have strength; the paper is ready for publication.

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.