Reviewer’s report

Title: An individualized patient-reported outcome measure (PROM) based patient decision aid and surgeon report for patients considering total knee arthroplasty: protocol for a pragmatic randomized controlled trial

Version: 0 Date: 14 Aug 2018

Reviewer: Gary Hooper

Reviewer's report:

Overall I thought this was a well constructed RCT and I have very few criticisms.

My major question is about pain and how it influences PROMS data. In my experience much of the PROMS data is influenced by pain eg if you ask a patient why their knee is stiff they will often say it is because of pain. So pain plays a major role in completing ADLs and some how the authors need to remove pain from these assessments by asking whether the “functional” deficit was due to pain, or whether the poor outcome was pain related.

This would improve the validity of their results significantly.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review
Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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