Reviewer’s report

Title: 3D Correction of AIS in Braces Designed Using CAD/CAM and FEM: a randomized controlled trial.

Version: 0 Date: 12 Oct 2016

Reviewer: Luke Stikeleather

Reviewer's report:

Congratulations to the authors and their team for their years of significant and dedicated effort developing this FEM. Quality research in non-operative scoliosis treatment at the RCT level is rare. This study clearly demonstrates that engineers have a critical role and responsibility in advancing our knowledge of optimal 3D brace design. The development of this practical and technical tool promises to be a significant advance in assisting orthotist in designing, constructing and fitting more effective scoliosis braces, which in turn should directly benefit the many patients who have to wear them.

I suggest less length and more strength for the study title! It needs to grab the readers attention and encourage them to check it out. The order and choice of words implies that it is about 3D correction of braces.... when it seems it is really about...

"Optimizing 3D Brace Design for AIS Using Finite Element Simulation and CAD/CAM: A Randomized Controlled Trial"

My suggestion for minor revisions is for final grammatical edits which will be emailed to the authors.

Level of interest
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An article of importance in its field

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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