Reviewer’s report

Title: Comparing super-rigid braces effectiveness. ART vs Sforzesco (SPoRT) brace: a matched case-control multicentre short-term study according to the SOSORT-SRS recommendations. SOSORT Award Winner 2015

Version: 3  Date: 31 July 2015

Reviewer: Lorenzo Aulisa

Reviewer’s report:

The authors have answered all my question, but it would be better specify that the anatomical modifications of the disc, caused by a permanent rotation greater than 20 perdriolle degrees, are characterized by hysteresis of the fibers of the anulus. This leads to an increase of the module of the torsional stiffness such as to make the disc indifferent to the derotation action of any type of brace.

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