Reviewer’s report

Title: No effect of spinal fusion on postural balance in Adolescent Idiopathic Scoliosis

Version: 1 Date: 3 February 2015

Reviewer: Jack Cheng

Reviewer’s report:

The study is interesting and well planned study and interesting and relevant informations, should be congratulated for the special efforts in conducting the study.

A few concerns:

1. The number of cases and the results do not substantiate well the title which appears overstated. Suggest to modify the title to reflect more realistically the results of the study

2. The dynamic data is based on semi-static tests measured with limited force plateforms. A true dynamic study would usually mean a gait assessment with dynamic recording of the various parameters during walking cycles. Authors may like to mention this in the discussions

3. With the limited number of cases and the different curve types, levels of spinal fusion, variation in the overall corrections and instrumentation, follow up for up to 1 year, it would be more appropriate to describe the study as a preliminary or pilot study rather then over-concluding.

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’