Reviewer's report

Title: Correlation between compliance and brace treatment in juvenile and adolescent idiopathic scoliosis. SOSORT 2014 award winner.

Version: 2  Date: 24 May 2014

Reviewer: Toru Maruyama

Reviewer's report:

I enjoyed reading the manuscript regarding the correlation between compliance and the results of brace treatment.

Major Compulsory Revisions
I can't understand the definition of the incomplete B and C patients.
Were they the patients who did not wear their brace for a month or 2 months in the summer every year? In the other seasons of the year did they wear brace as prescribed?
On the table 3 AIS section, although the difference in complete group seems greatest, it is not statistically significant, whereas other groups with smaller difference are significant. Are the p-values correct?
On the figure 2 and 3, adesione 0-4 mean compliance complete and incomplete A to D?

Minor Essential Revisions
In the abstract,
"In the intention-to-treat analysis, the rate of treatment success was 2.1% among patients with definite outcome and 12.1% among those with drop-out. Treatment compliance showed significant interactions with time."
Not "treatment success" but "surgical treatment"?

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
I declare that I have no competing interests.