Reviewer's report

**Title:** Efficacy of the Osaka Medical College (OMC) brace in the treatment of adolescent idiopathic scoliosis following Scoliosis Research Society brace studies criteria

**Version:** 2  
**Date:** 9 February 2015

**Reviewer:** Lorenzo Aulisa

**Reviewer’s report:**

The paper shows several limitations in the material and methods, which the same authors acknowledge. However are reported for the first time the results obtained with the Osaka Medical College (OMC) brace so the work can be of interest.

**Major Compulsory Revisions**

Because the Authors talk about to a study that follows the SRS criteria, they must edit the paper choosing one of these two possibilities:

- delete all patients who have curves less than 25° and that have not reached the 2-year follow-up
- say that the work does not fulfill the inclusion criteria of SRS but they were used for the outcomes.

Certainly the SRS inclusion criteria are questionable, but either are used as they are or the comparison between different studies becomes impossible.

• Page 5 Line 10 Updating the references that dates back to 1996-97.
In the last few years have been published several Europeans and Americans paper that confirm the effectiveness of conservative treatment.

Same observation for the bibliography on braces in use.

• Page 14 in the discussion on the indication to full-time would be appropriate to include the following paper.


• Page 14 line 17 wearing the brace full time allows to obtain an improvement of the curve. Correlation between compliance and brace treatment in juvenile and adolescent idiopathic scoliosis: SOSORT 2014 award winner.Aulisa AG, Giordano M, Falciglia F, Marzetti E, Poscia A, Guzzanti V. Scoliosis. 2014 Jun

• Page 15 line 18 you say frequent and periodic consultation, please quantify frequent and periodic consultation


**Level of interest:** An article of limited interest

**Quality of written English:** Needs some language corrections before being published

**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'