Reviewer’s report

Title: Quality of Life and Patient Satisfaction in Bracing Treatment of Adolescent Idiopathic Scoliosis

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Reviewer: Jean Claude De Mauroy

Reviewer's report:

I read with interest this manuscript, which highlights the negative impact of the brace treatment and suggests that surgery is the best solution and has less impact on the quality of life than bracing.

1. Wearing a brace effectively affects the quality of life for about 2 years, surgery affects the quality of life throughout life and 3 interventions are often expected. Wearing a brace is certainly a challenge for a teenager, but there are also positive psychological aspects. The brace protects the teenager as an armor and helps to structure his personality. When we look at the long-term results of conservative treatment, we find that overcoming bracing during adolescence improves social and professional life in adulthood...

2. Bracing does not improvise and is a team work. In principle, no bracing without physiotherapy. We have no idea about the team that supports the teenager and his family. Is it a surgeon or a MD specialized in bracing that supports the patient? What about physiotherapy?...

3. Other teams have used the BrQ and the interest of a questionnaire is to compare the results. It should be a comparison with Vasiliadis, Aulisa, Chan, Kinel ... Many medical and surgical treatments affect the quality of life, this is not a reason to suppress the medical activity. The same test should also be performed on a child with a spinal fracture brace.

4. It is also necessary to discuss the quality of life of untreated scoliosis which is also disturbed. The evaluation is carried out by generic tests.

5. What are the percentages quoted? Where is the cut off on the nominal scale of 5 responses.

6. What is the average correction in TLSO brace? A correction of less than 20% does not produce good results and the inconvenience of the brace is greater than the benefits.

In conclusion, it is necessary to specify how the results quoted are calculated, to place the results of the BrQ compared to that of the other teams, to evaluate the effectiveness of the proposed treatment and to insist on the environment of the brace.
**Level of interest**
Please indicate how interesting you found the manuscript:

An article of limited interest

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

Acceptable

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