Reviewer's report

Title: A specific scoliosis classification correlating with brace treatment: description and reliability

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Reviewer: Patrick Knott

Reviewer's report:

The authors of this paper clearly identify the research question and justify its importance to scoliosis clinicians. I agree with the authors that the Lenke system is now widely accepted as an excellent classification system, but I had not considered that it might not be as appropriate for bracing as it is for surgery. This makes the Rigo classification system an important addition to our knowledge about scoliosis.

The methods are described clearly in this paper and are sound. It would be better to have more examiners participate (especially more physicians), but it is explained that this is a pilot study and more definitive examination will follow. Data is analyzed correctly and presented in a standard manner.

The discussion is well done and includes two case studies. The introduction of two cases at the very end of the paper is a bit unorthodox compared to very traditional writing styles, but in this case it illustrates the points in the discussion well.

There are still a few grammatical errors in the writing that should be cleaned up before publication.

This paper is acceptable for publication with only minor style changes necessary.

Level of interest: An article of importance in its field

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 have no competing interests.