Reviewer’s report

Title: The role of the paravertebral muscles in adolescent idiopathic scoliosis evaluated by temporary paralysis.

Version: 1 Date: 14 Jul 2017

Reviewer: Lok Kan Connie CHENG

Reviewer's report:

I appreciated the authors' effort in modifying the manuscript.

After reading the revised manuscript, I have the following comments.

1. Some grammatical errors could be eliminated to make the writing more fluent.

2. Ref 87 in Line 77 is not listed on the ref list.

3. In table 2, the term "præ" has not changed.

4. For the citation of "SPSS", usually I saw other authors put down "SPSS (version ?, SPSS Inc., Chicago, IL). However the format should follow the common practice in this journal

5. In table 1's row of "Type of Scoliosis", Dex and Sin are suggested to change to left and right for common understanding.

6. I suggest presenting the pre-post change after injection in graphs. This allows readers to see immediately the actual reduction of Cobb angle after injection to the concave muscles.

7. In the discussion part from Line 186, the authors mentioned muscle on convex side should be the future focus. I am a bit mixed up in there. Do it imply, the significant reduction of Cobb angle seen after injection could simply due to measurements' variability but not an actual effect of the paralyzed concave muscle?

Thanks you.

Level of interest

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An article whose findings are important to those with closely related research interests

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Needs some language corrections before being published
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