Reviewer’s report

Title: An immediate effect of PNF specific mobilization on the angle of trunk rotation and the Trunk-Pelvis-Hip Angle range of motion in adolescent girls with double idiopathic scoliosis – a pilot study

Version: 0 Date: 26 Aug 2016

Reviewer: Yavuz Yakut

Reviewer's report:

- The phrase "a pilot study" should be added to the title of the article.

- It is a major defect for the study that it lacks a "control group" (where a different stretching approach could be applied).

- It should be explained in details why only one intervention approach was applied throughout the study.

- The "Background" part in "Abstract" section needs to be shortened. The last two sentences (line 29-32) must be moved to "Methods".

- In line 46 (Conclusion), it is said that "there is a correlation between...". However, there is no correlation analysis in your study.

- In "Methods" it is said that "… MANOVA were used …". However, no results of MANOVA are mentioned in the "Results" Section. This needs to be corrected in the "Discussion" part, too.

- Statistical analysis section must be revised.

- It is mentioned in line 148-149 that non-parametric tests were used. It should be explained which non-parametric were used for Paired Sample t test and MANOVA.

- It would be very appropriate to include the following 2 in the "Methods":

...
1. The reason why the sample size was 83.

2. Power analysis of the study.

- Body mass index of the participants should be given.

- Test-Retest or inter/intratester reliability of the measurement of the Trunk-Pelvis-Hip Angle Test should be given. If not, a reference regarding this reliability should be provided in the "Methods" section.

- It would be very appropriate to add a table containing a comparison between ART and TPHA left vs. right.

- In line 140-141, it should be mentioned how many times the application was administered.

- Line 155-156 needs to be restated in a more clear and understandable way.

- In line 187, the abbreviation TMB needs to be explained.

- In line 196, TMHA needs to be corrected.

- Lines 188 to 193 should be removed. Discussion needs to start with the primary finding of the study.

- The information provided in line 260 is not available in Results.

- Limitations of the study should all be gathered under one heading.

- Throughout the article, there is no finding in relation with the information provided in line 312-313 (Conclusion). This should be corrected.
- Figure 2a and b can be converted into tables.

- Figure 3a and b should be combined.

- An overall revision regarding the English used in the text would be highly appreciated.

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