Reviewer's report

Title: SEAS (Scientific Exercises Approach to Scoliosis): a modern neurophysiological evidence based approach to exercises for idiopathic scoliosis

Version: 2 Date: 19 August 2013

Reviewer: Thomas Findley

Reviewer's report:

1. Is the question posed by the authors new and well defined?
YES this is a very interesting paper and promises to add a great deal to the literature. what is needed to make this a much better paper:
major revisions:
A. the baseline tests for the patient should be described in some detail
B. please describe how you measure the stress conditions created by the exercise
C. How does one use the scheduled tests to identify deficits
D. How does one re-evaluate every function
E. How do you pick specific exercises. the scoliosismanager program is a major addition to the therapists. some specific exercises with the stick figures for a typical program would further highlight this excellent resource
F. results from the scientific literature need to be described in much greater detail. particularly details from unpublished conference abstracts
G. in my copy the reference page was blank.

2. Are the methods appropriate and well described, and are sufficient details provided to replicate the work?

3. Are the data sound and well controlled?
major: cannot tell without greater description of studies

4. Does the manuscript adhere to the relevant standards for reporting and data deposition?
major : cannot tell without more details

5. Are the discussion and conclusions well balanced and adequately supported by the data?
major: needs to give more data from published and unpublished studies

6. Do the title and abstract accurately convey what has been found?
major: abstract needs to refer to specific results. could remove background section of abstract

7. Is the writing acceptable?
some minor corrections would help readability. also there are a few typos

**Level of interest:** An article of importance in its field

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

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare I have no competing interests