Reviewer’s report

Title: Torsion bottle, a very simple, reliable and cheap tool for a basic scoliosis screening

Version: 0 Date: 09 Nov 2017

Reviewer: James Ogilvie

Reviewer’s report:

Is the advantage of this device a cost and availability issue?

"Scoliometer®" is a registered name and trademark. It should be designated as such.

Describing the lumbar and thoracic prominence as a "hump" has passed out of usage in the US. Some believe it is impolite to tell a sensitive young girl that she has a hump. That may vary with different cultures, but we should be ahead of the curve in terminology.

I believe this is an innovative device that would be readily available and inexpensive. In addition to utilization instructions, the variable is in constructing the device. Emphasis should be given for the need to build it according to precise instructions. Checking it against a standard would also be important.

Level of interest
Please indicate how interesting you found the manuscript:

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

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

Needs some language corrections before being published

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?
4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

No conflict of interest.

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal.