Reviewer's report

Title: Supine to Standing Cobb Angle Change in Idiopathic Scoliosis: The Effect of Endplate Pre-selection

Version: 1
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Reviewer: Lorenzo Aulisa

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- Major Compulsory Revisions

In supine x ray: The vertebra marked as T6 corresponds in reality to T5. Therefore the curve is T5-T10.

In Standing x ray curve is between T5 to T11. The T12, presenting a rotation of opposite sign, is part of compensation curve.

The structuring degree of scoliotic curves also depend on the variation of the viscoelastic characteristics of the involved structures and in particular of the intervertebral discs (references 1-4).

Because the rotation is the main cause of these variations, you should be considered the difference in geometry scoliosis curves, between supine and standing positions, in relationship to the entity of vertebral rotation.

In addition, the evaluation of the rotation would also contribute to distinguish this study from similar ones already published

1-Biomechanical analysis of the elastic behaviour of the spine with aging.
(L. Aulisa, A. Vinciguerra, F. Tamburrelli, S. Lupparelli, V. Di Legge)

2-Biomechanics of the spine.
(L. Aulisa, L. Pitta, R. Padua, E. Ceccarelli, A.G. Aulisa, A. Leone)
RAYS, 25, 1, 2000, 11-18. *

3-Biomechanics of the conservative treatment in idiopathic scoliotic curves in surgical "grey-area"
(L. Aulisa, S. Lupparelli, E. Pola, A.G. Aulisa, G. Mastantuoni, L. Pitta)

4-The biomechanics of conservative treatment of idiopathic scoliosis
Angelo Aulisa, Stefano Negrini, Marco Galli, Federico Visci,
Lorenzo Aulisa, Scoliosis 01/2007
**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

'I declare that I have no competing interests'