Author’s response to reviews

Title: Three dimensional reconstructions of Lenke 1A Curves

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Author’s response to reviews:

Dear Dr.Grivas,

Please find our responses to the few more comments from the reviewers below. We thank you for this opportunity to precise our work, and hope you will find the paper acceptable for publication after this.

Yours sincerely

Dr Jean-Claude Bernard

Reviewer reports:

Reviewer #1:

1) In the response, the authors said "we did not use bending radiographs to determine whether the upper curve was structural or not. We use clinical examination for that, by measuring the upper bump in standing position and comparing it to the one measured in ventral decubitus: if the upper bump disappears in lying position, it means that the curve is not structural".
This should be clearly described in the method section. bump - hump?

- Response: ok, we thank you for this opinion and we have now included this description in the method section. Regarding the word “bump”, we use this word for “gibbosity”.

2) Line 174: In my opinion, that the first objective with the brace will be to reduce plane rotation, and finally to decrease Cobb angles on regional planes, not to reduce the number of planes.

- Response: yes, I agree with you. This is indeed the way we are proceeding, and we thank you to have write it clearer! The first objective with the brace will be to reduce plane rotations, which will lead to a reduction of Cobb angles, and if possible guide this scoliosis from 4 planes to 3 planes. We have now changed it in the text (line 179 now)

Reviewer #2:

Thanks to the authors for this very interesting discussion. We look forward to hearing about the changes to the orthotics and the clinical results.

- Response: thanks for this encouraging remark. We will be pleased to communicate about our results as soon as they are exploitable.