Reviewer's report

Title: A case report of severe degenerative lumbar scoliosis associated with windswept lower limb deformity

Version: 0 Date: 13 Jul 2020

Reviewer's report:

PEER REVIEWER ASSESSMENTS:

RELEVANCE - Does this case report make a contribution to medical knowledge, have educational value, or highlight the need for a change in clinical practice or diagnostic/prognostic approaches?
Yes, this report contributes to medical knowledge

CASE DESCRIPTION - Are the details of the case sufficiently well described to understand the patient's symptoms and course of treatment?
No - there are minor issues

DIAGNOSIS/INTERPRETATION - Based on the facts presented, are the diagnosis, interpretation, and course of treatment medically sound?
Yes, the work described is medically sound

DISCUSSION OF THE CASE - Does the discussion appropriately analyse the importance of the findings and their relevance to future understanding of disease processes, diagnosis or treatment?
Has an adequate literature review pertinent to the case been included?
No - there are minor issues

OVERALL MANUSCRIPT POTENTIAL - Could an appropriately REVISED version of this work represent a technically sound contribution?
Probably - with minor revisions

PEER REVIEWER COMMENTS:

GENERAL COMMENTS: the report is interesting and may be accepted for publication. They present a case of windswept deformity secondary to rickets associated with a lumbar degenerative scoliosis surgically treated successfully without surgery for the limbs deformity

REQUESTED REVISIONS:
I ve some comments: add a better description of the scoliosis (cobb angle, sva, coronal balance, curve patterns, etc) before and after surgery in the abstract. Add a limitation that longer follow up may be required due to the post operative coronal imbalance . I would separate discussion and conclusions. Some literature review about treatment of scoliosis in patients with lenght differences between the inferior limbs is mandatory. Some discussion about the fact the fixing the pelvis/ iliac of this patient would lead to loss of her capacity to use the pelvis to walk, similarly to a
neuromuscular scoliosis where patients may need the pelvis to walk. I would at the end of the discussion limitations of this case, especially long term follow up and the risk of late deterioration due to coronal unbalance. Finally, the three interrogative questions at the conclusions should be discussed better in the discussion, and, at the conclusion, only state that further studies are necessaries to solve these issues. Considering the surgery, only one level was fixed at T9 which may be risky. some discussion about this is necessary. PJK may happens due to rod broken

ADDITIONAL REQUESTS/SUGGESTIONS:
no

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No

Are the methods appropriate and well described?  
If not, please specify what is required in your comments to the authors.  
No

Does the work include the necessary controls?  
If not, please specify which controls are required in your comments to the authors.  
No

Are the conclusions drawn adequately supported by the data shown?  
If not, please explain in your comments to the authors.  
Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?  
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.  
Not relevant to this manuscript
Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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