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Buckling Collapse of Mid Cervical Spine Secondary to Neurofibromatosis

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Buckling Collapse of Mid Cervical Spine Secondary to Neurofibromatosis**Abstract**

Buckling collapse is the term typically used to describe severe kyphosis more than 100 degrees, characteristically seen in thoracolumbar tuberculosis. Neurofibromatosis is rarely associated with severe cervical kyphosis. Dystrophic changes in vertebra make surgical correction and fusion challenging.

Single stage cervical osteotomies (pedicle subtraction osteotomy, vertebral column resection etc) are commonly done in cervico-thoracic junction. However it is technically challenging and associated with high risk of vertebral artery injury, neural injury etc when performed in higher cervical spine. Hence, in our case we did staged procedure performing circumferential osteotomy for buckling kyphosis in mid cervical spine. Since it involved mid cervical spine and there was no chin to chest deformity, we preferred anterior-posterior-anterior sequence.

Keywords:

Buckling Collapse, Kyphosis, Cervical Spine , Neurofibromatosis

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