

Early short segment fusion is never definitive: yes or not?

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Consultant Orthopaedic and Spine
Clinical Lead

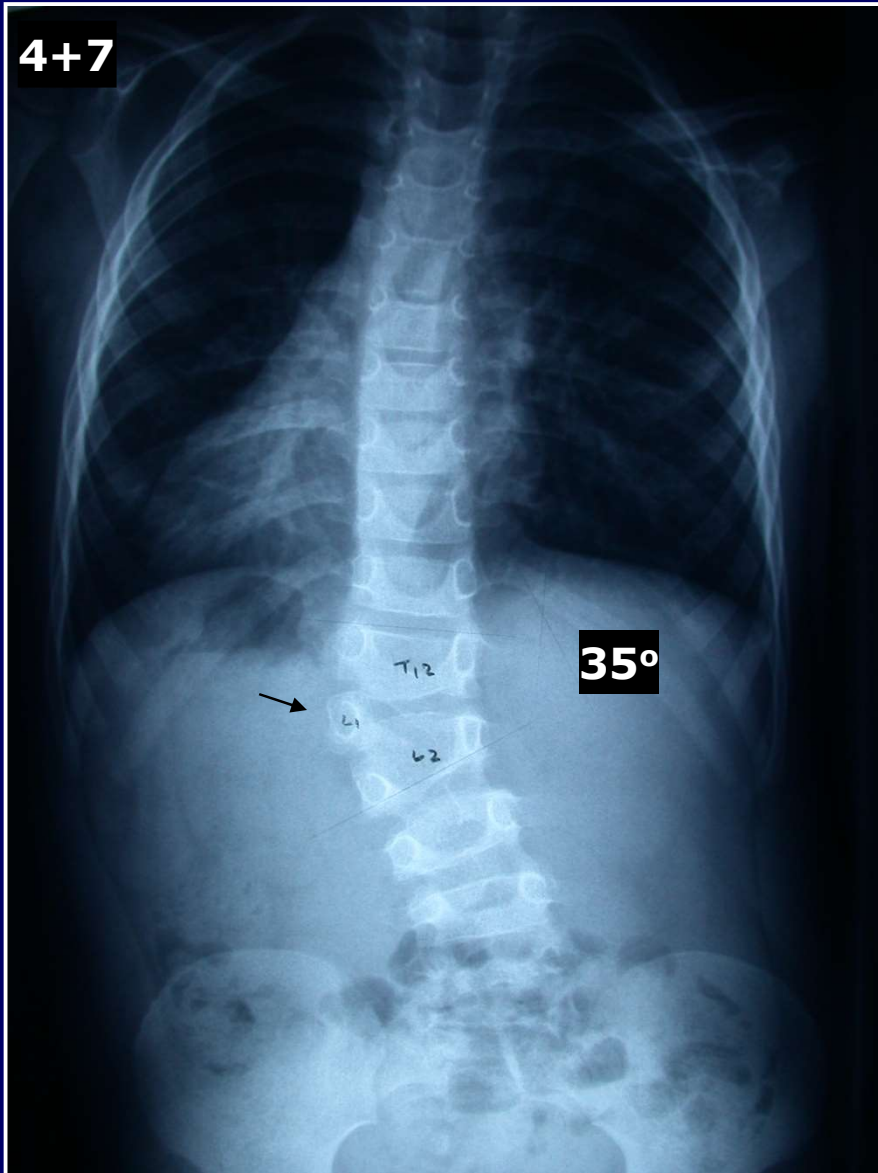
Scottish National Spine Deformity Centre
Edinburgh, United Kingdom

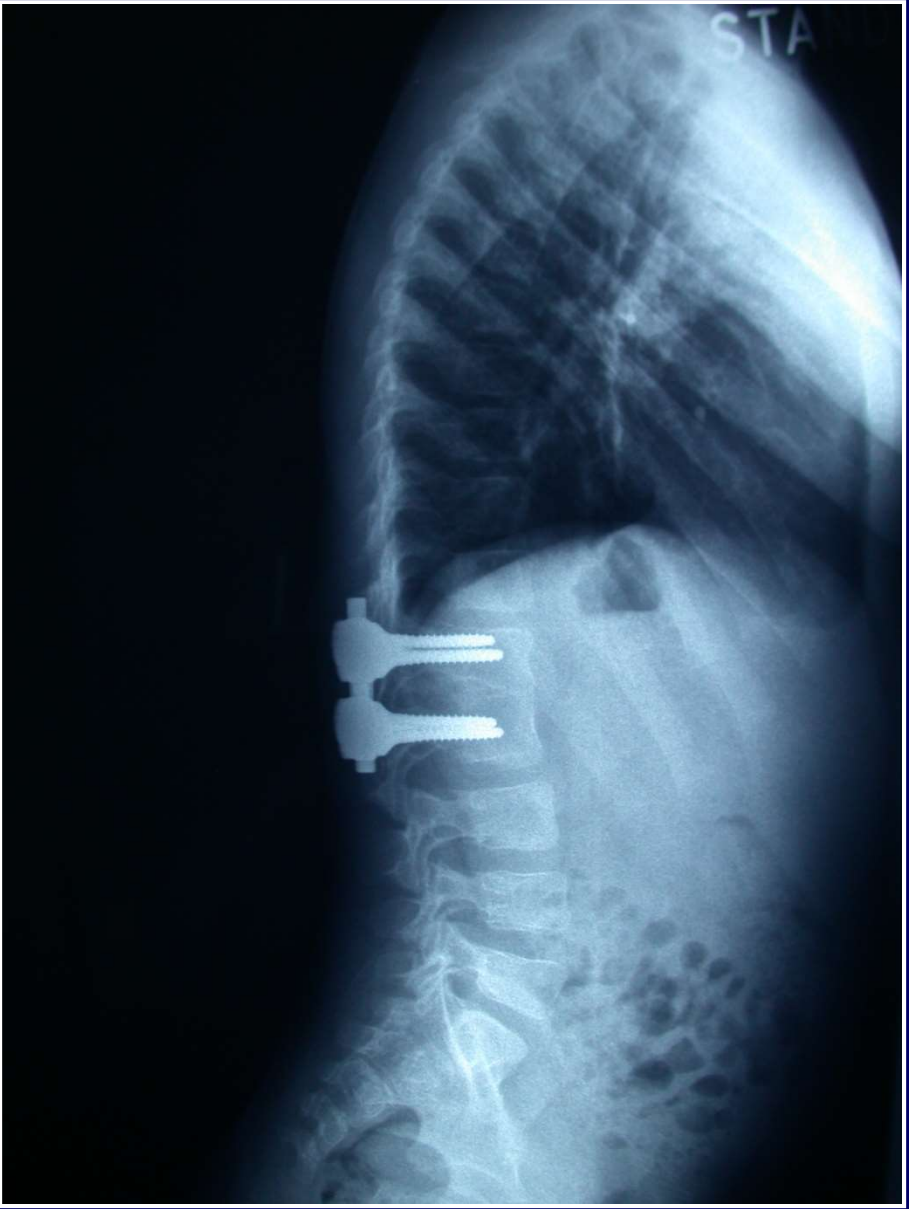
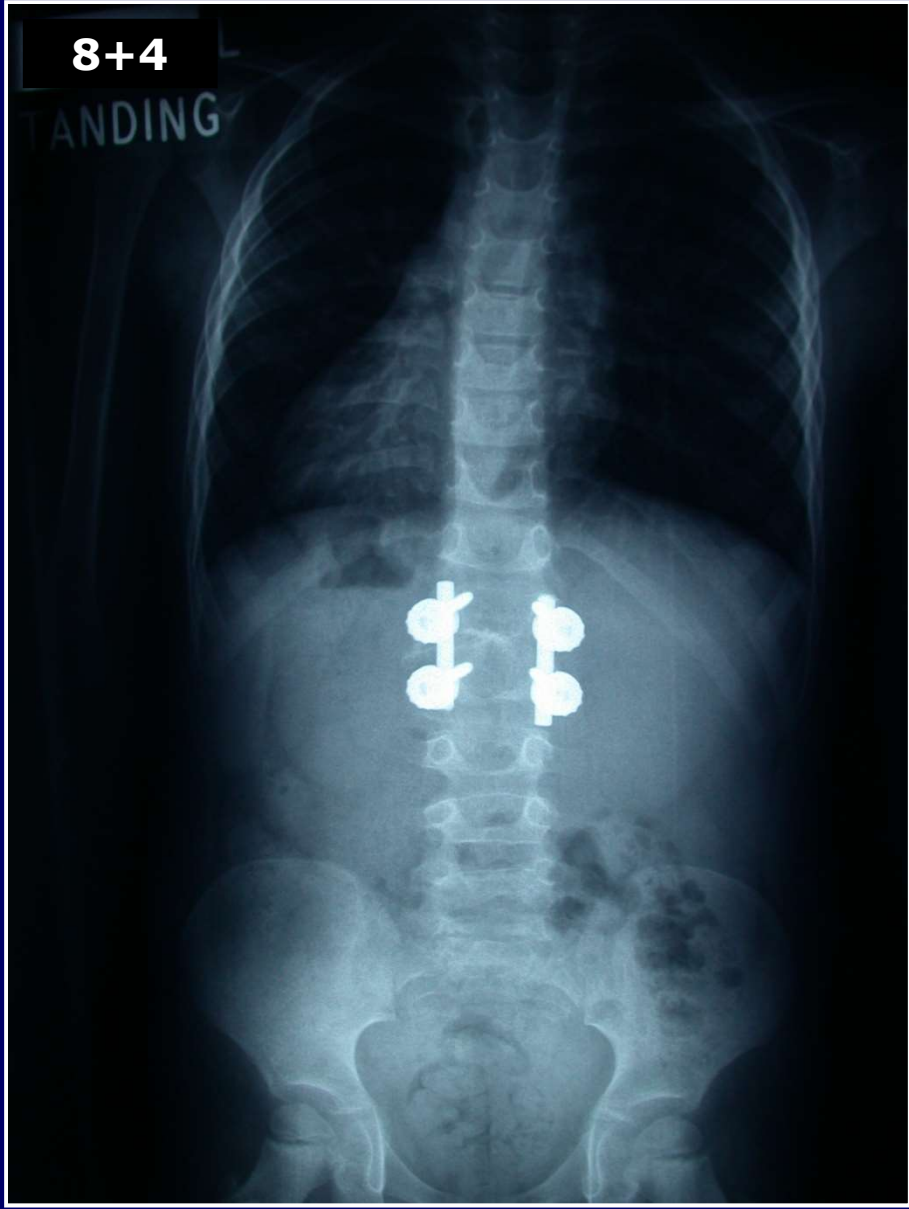


Early fusion may need revision

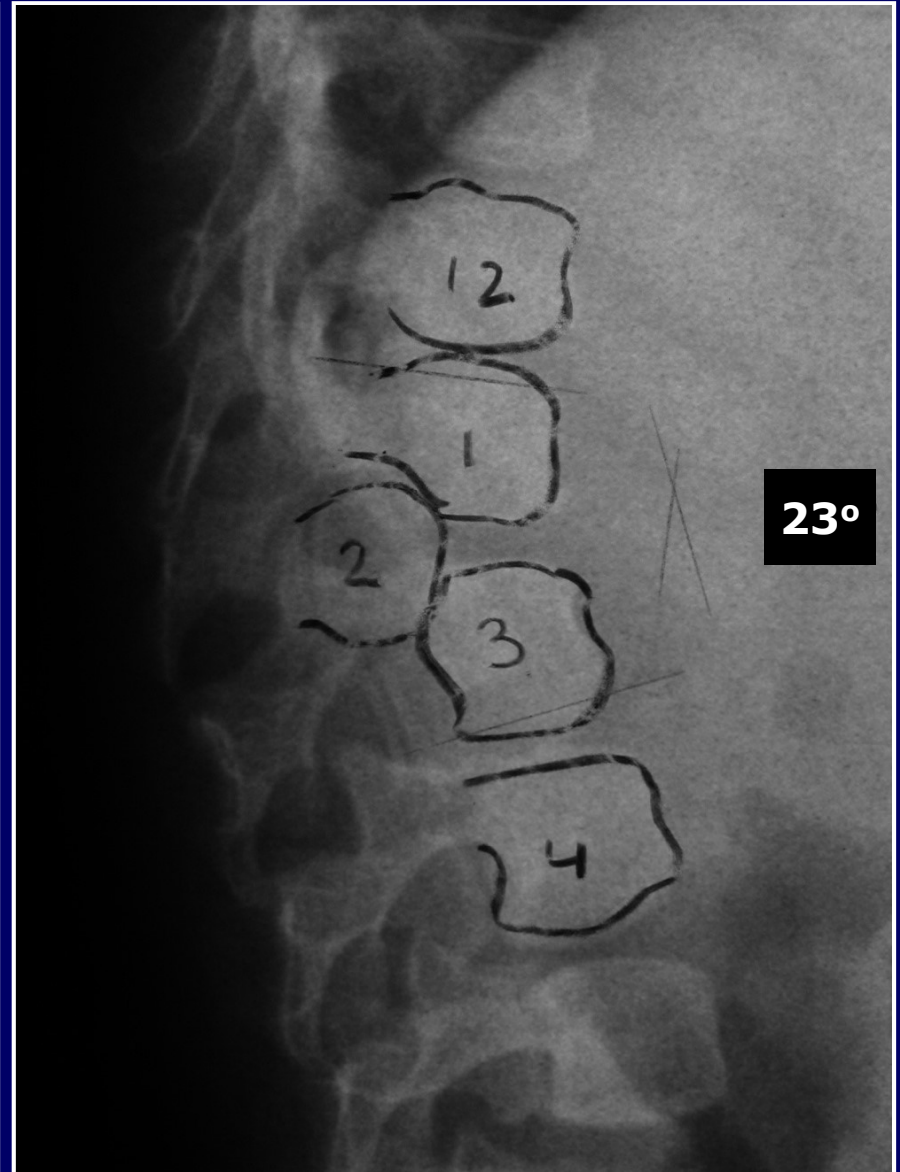
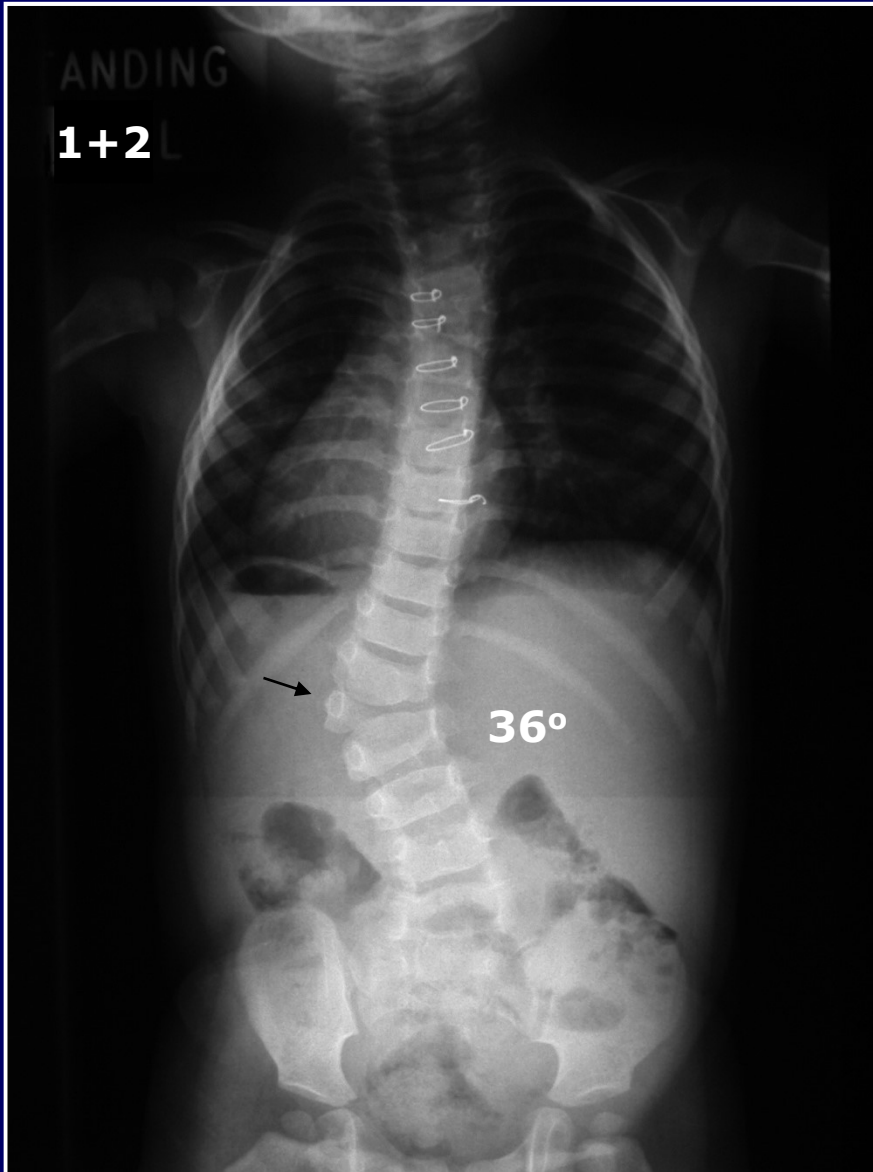
- segmental fusion after hemivertebra resection (add-on levels)
- congenital scoliosis or kyphosis (localised in situ fusion):
 - non-union (higher risk in kyphosis and above age 5 yrs)
 - short initial fusion/add-on deformity

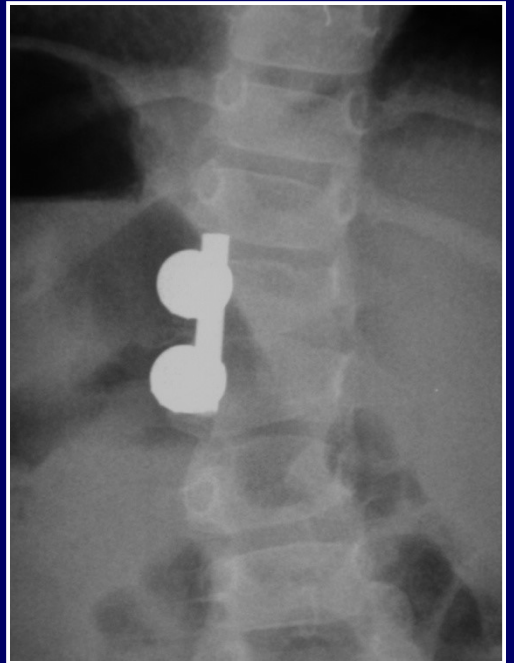
Hemivertebra resection

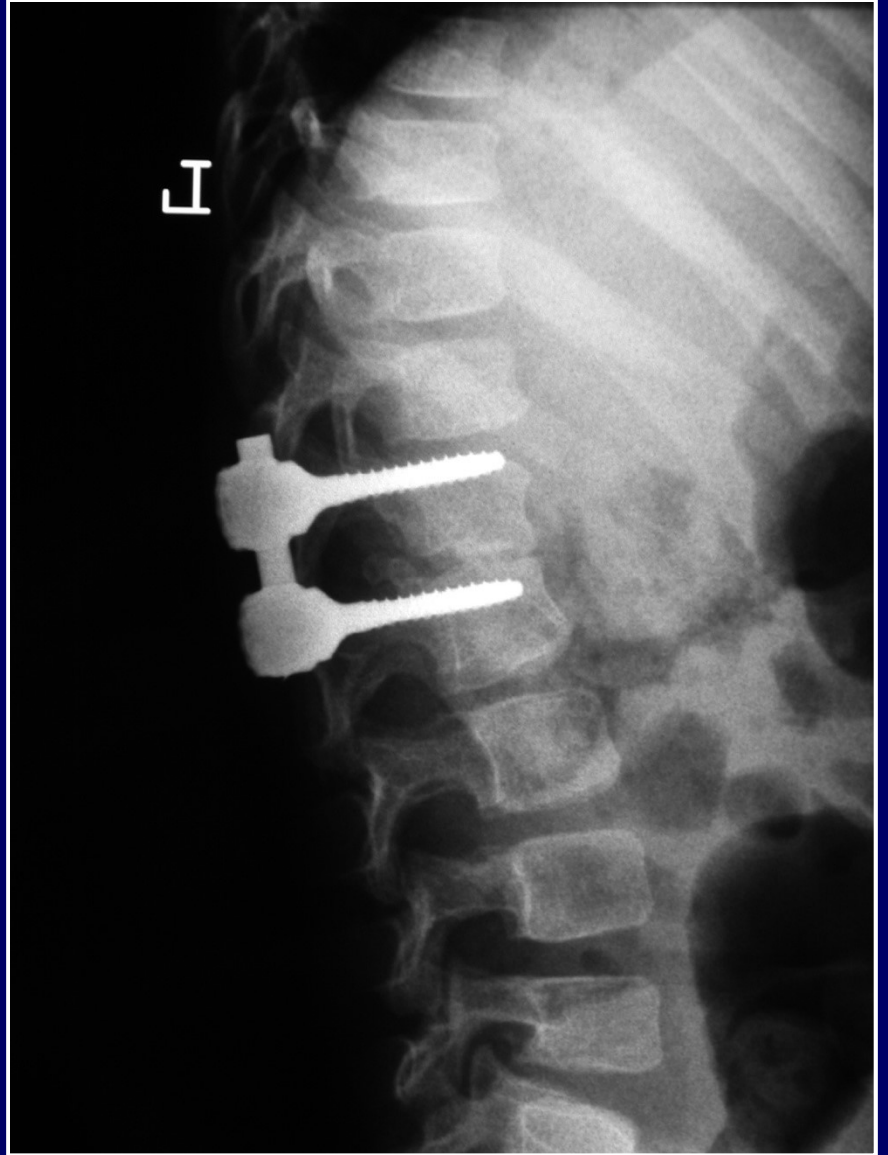
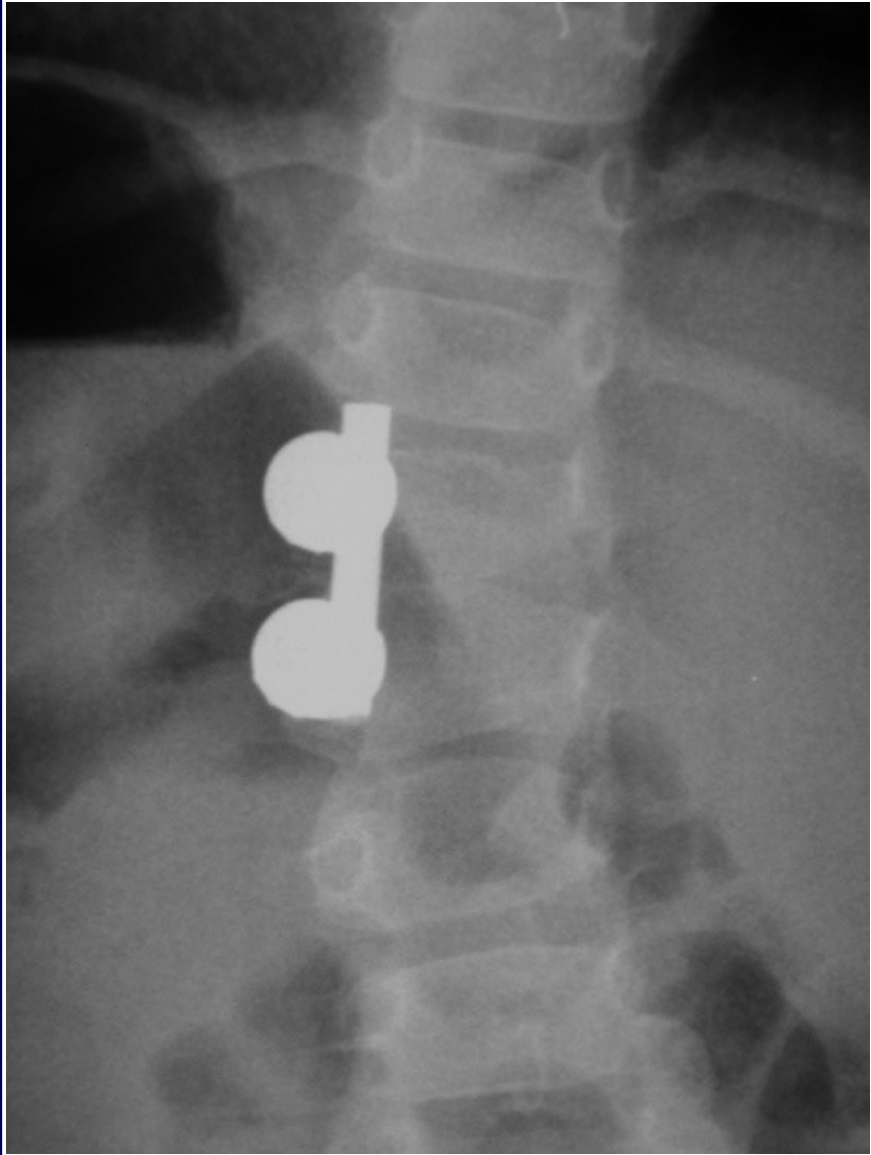




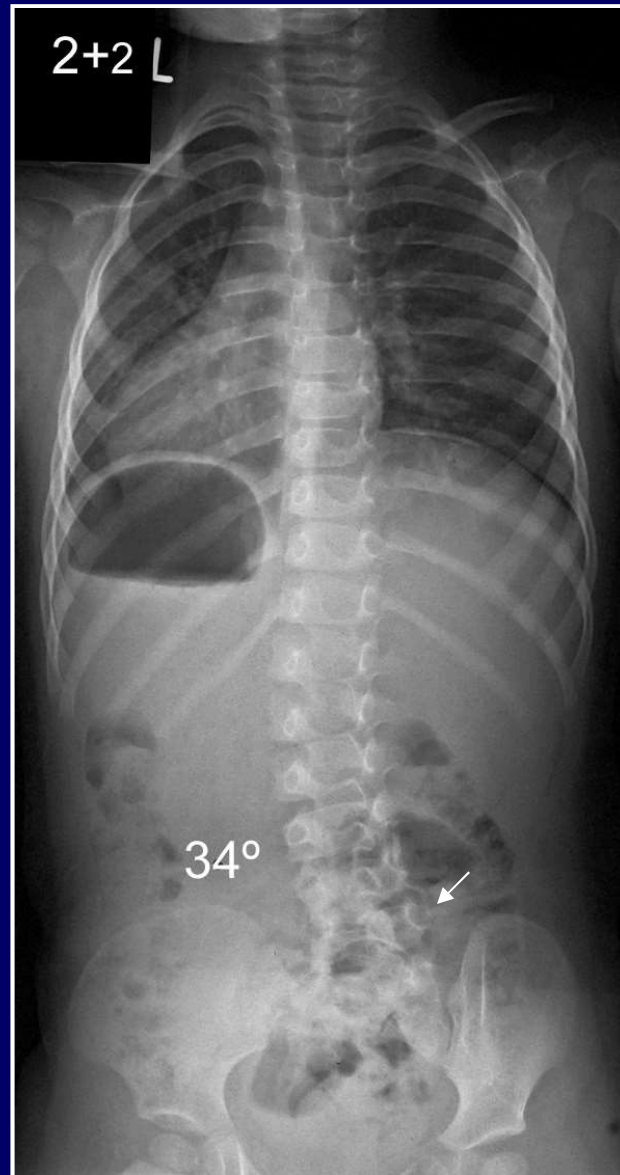
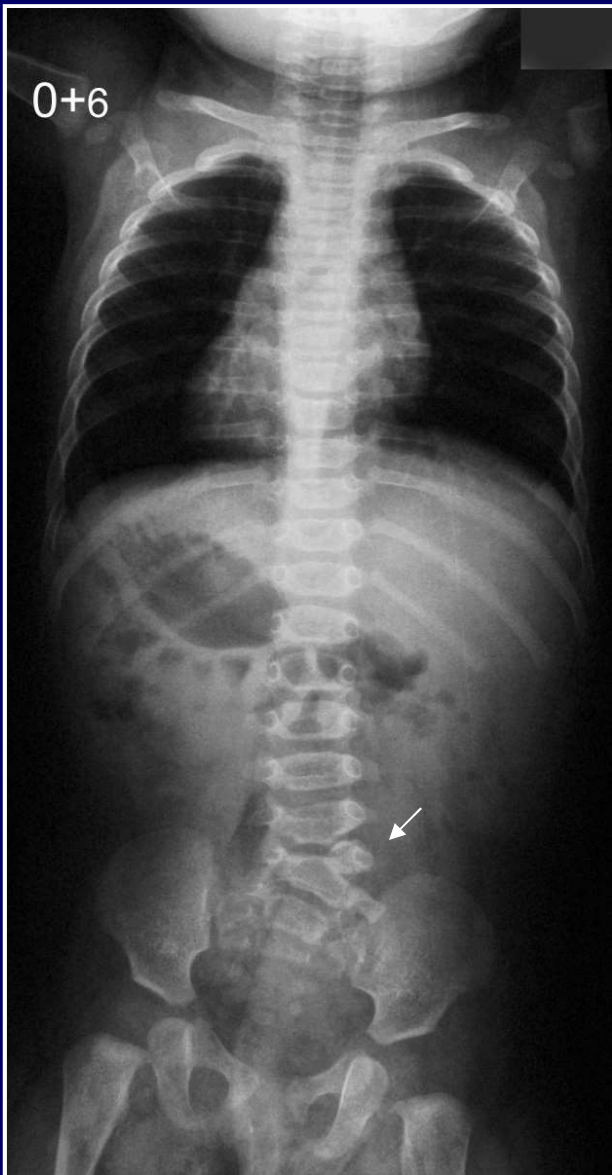
Hemivertebra resection



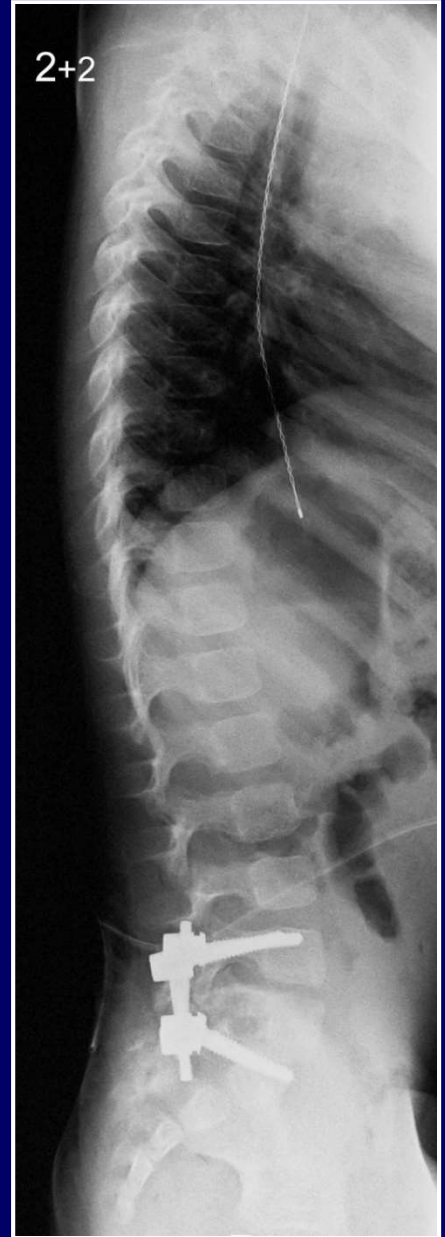
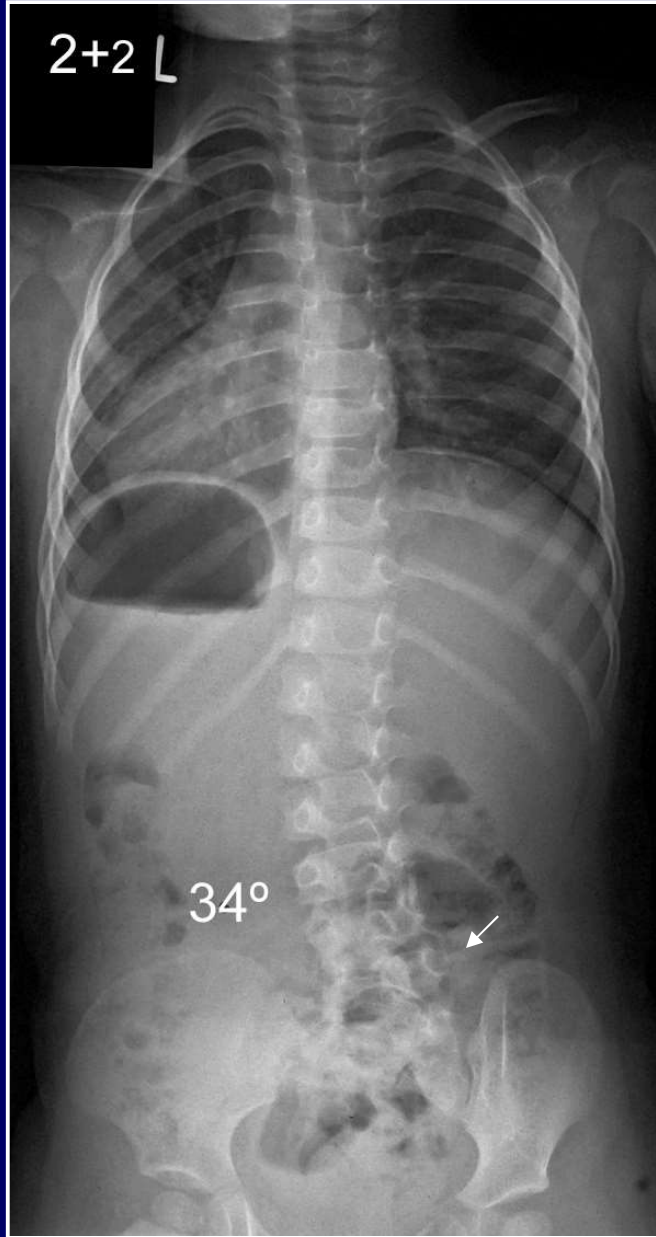




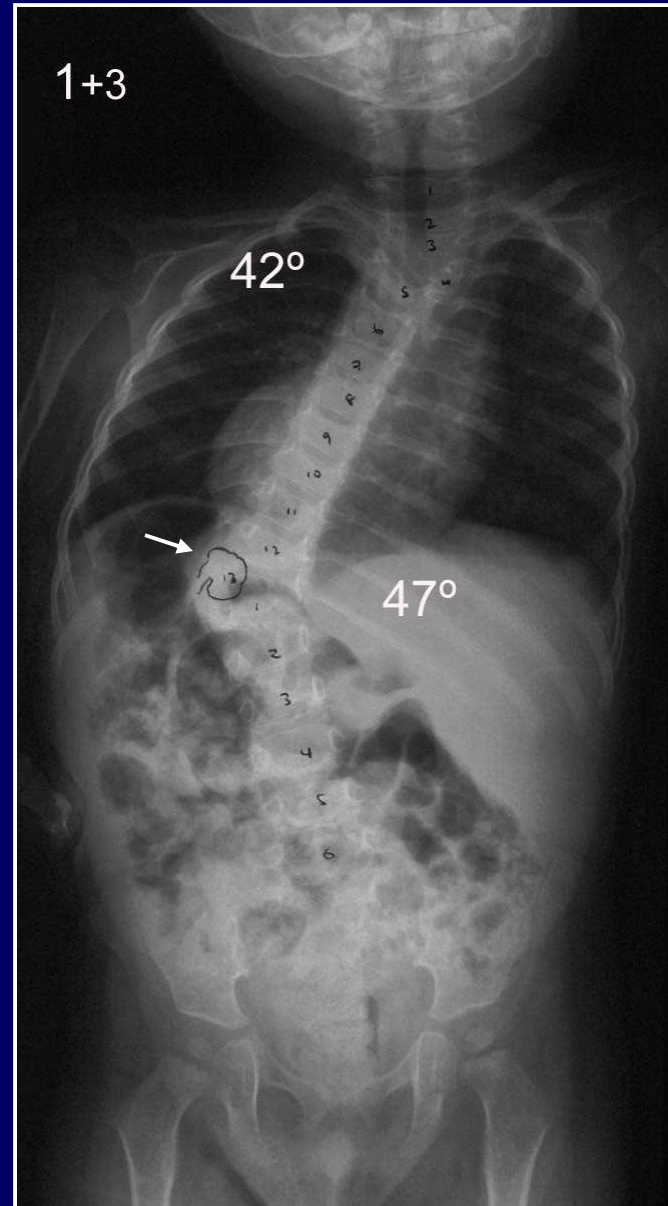
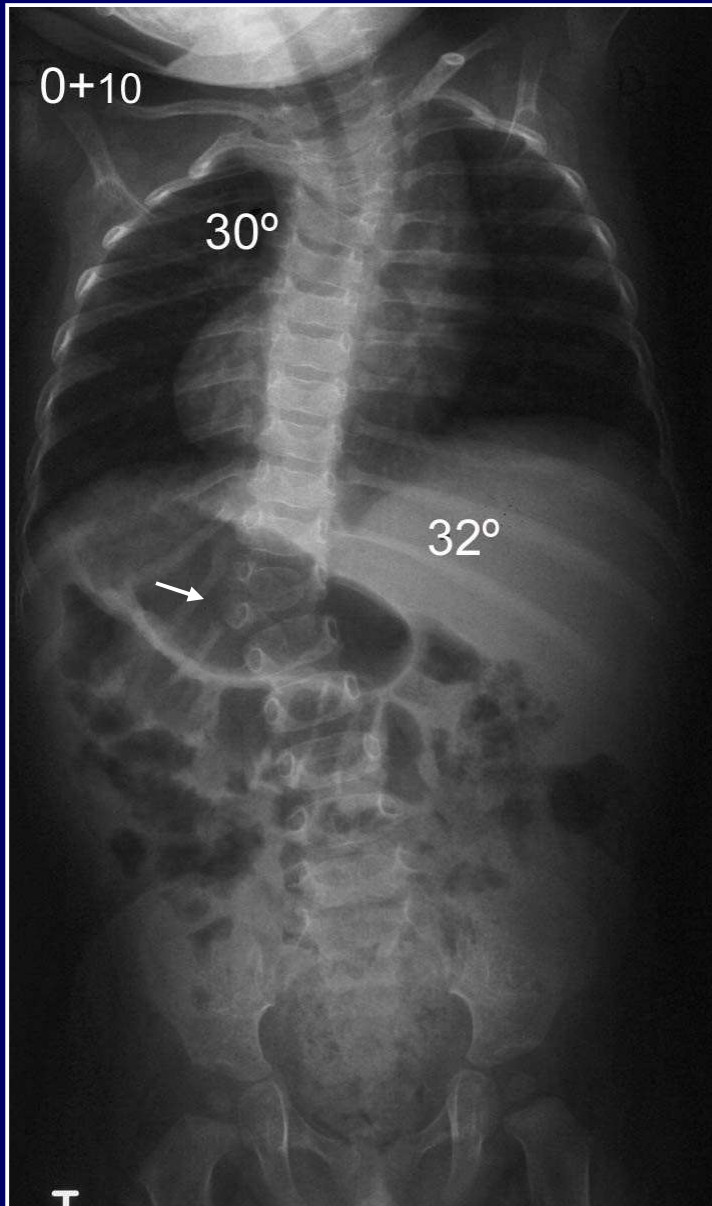
LS hemivertebra resection

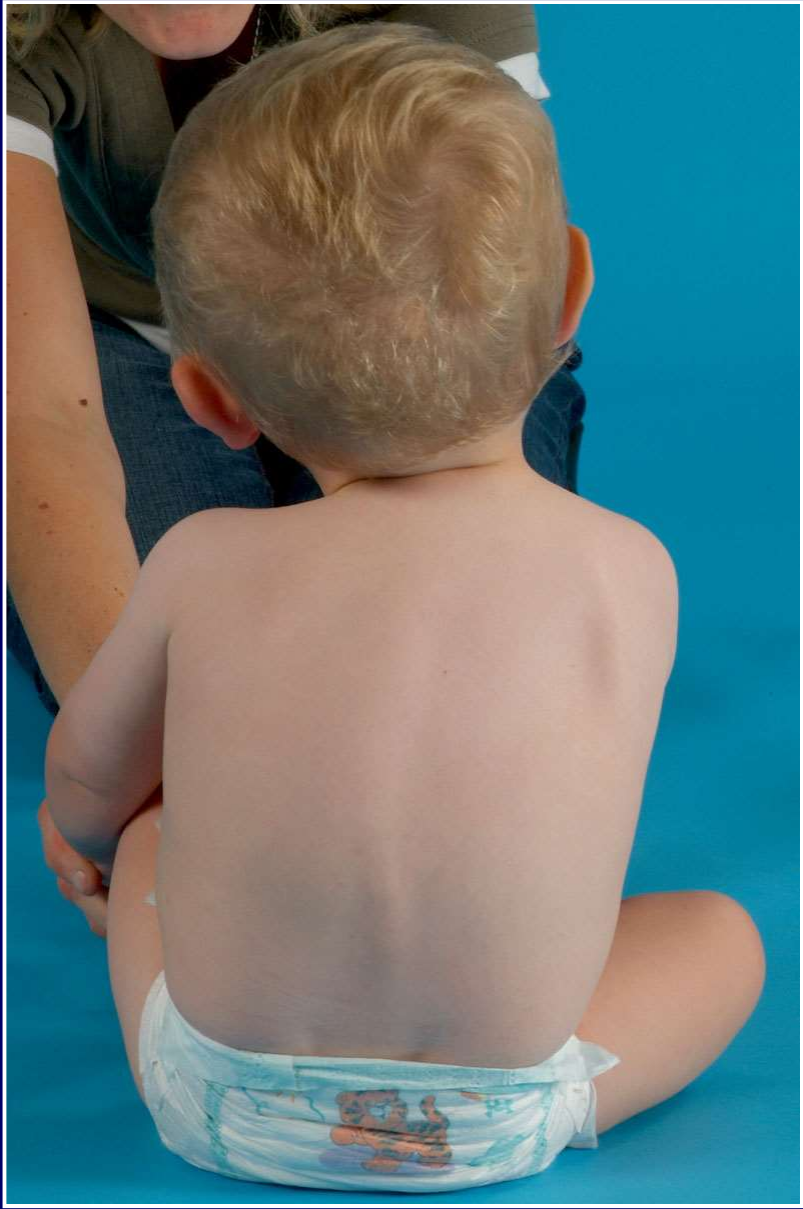
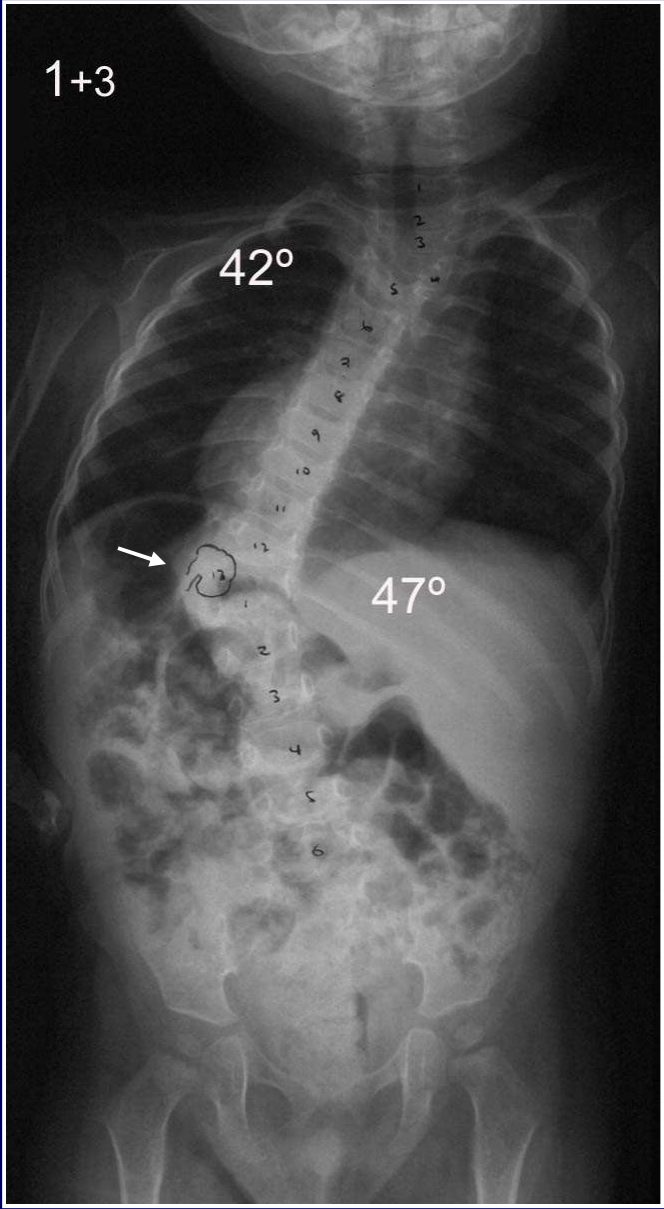


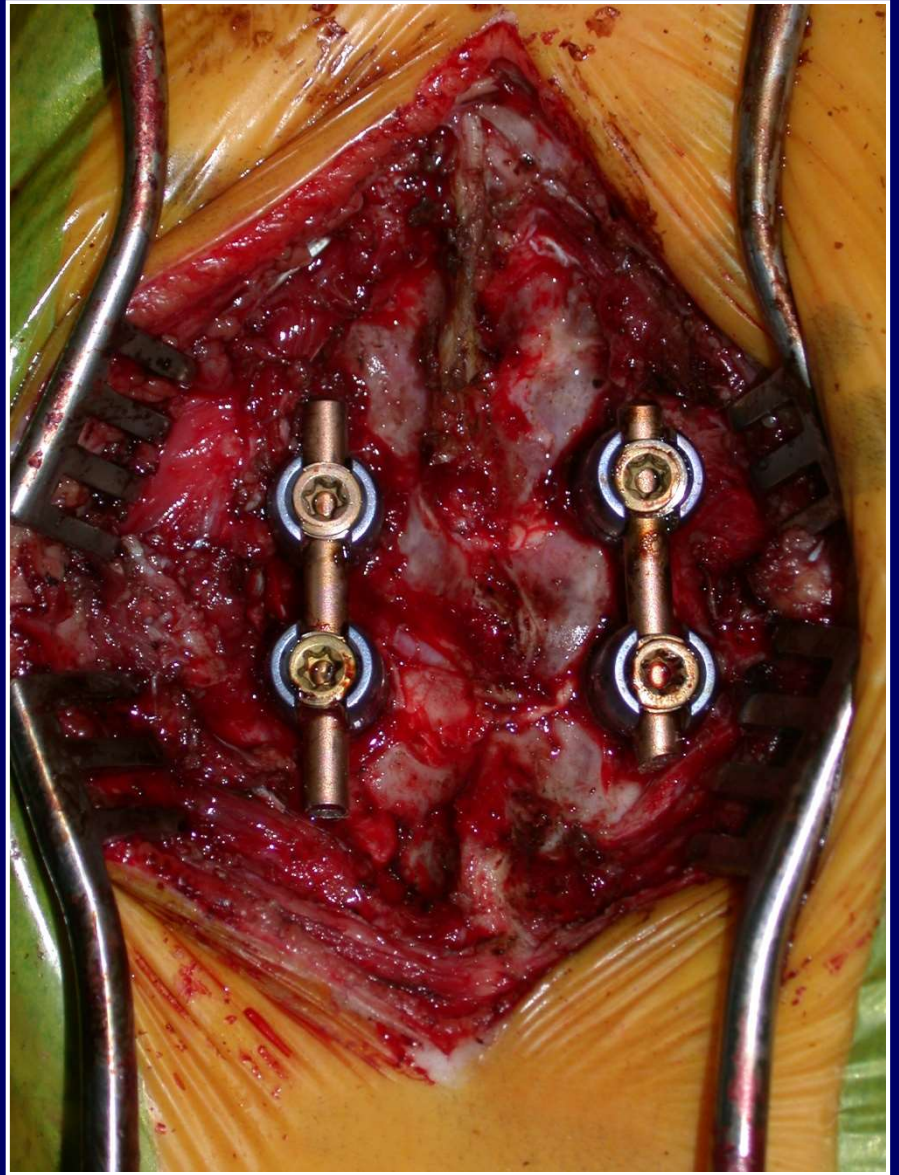
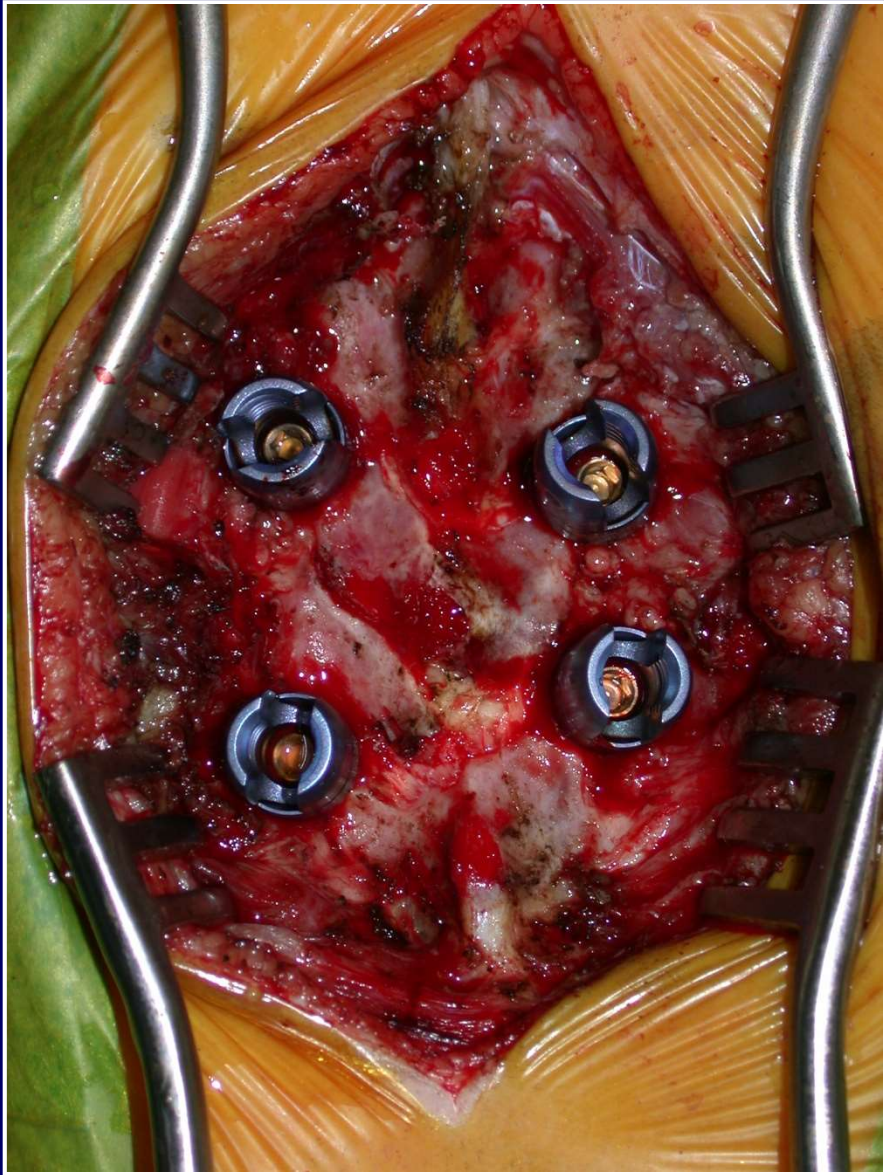


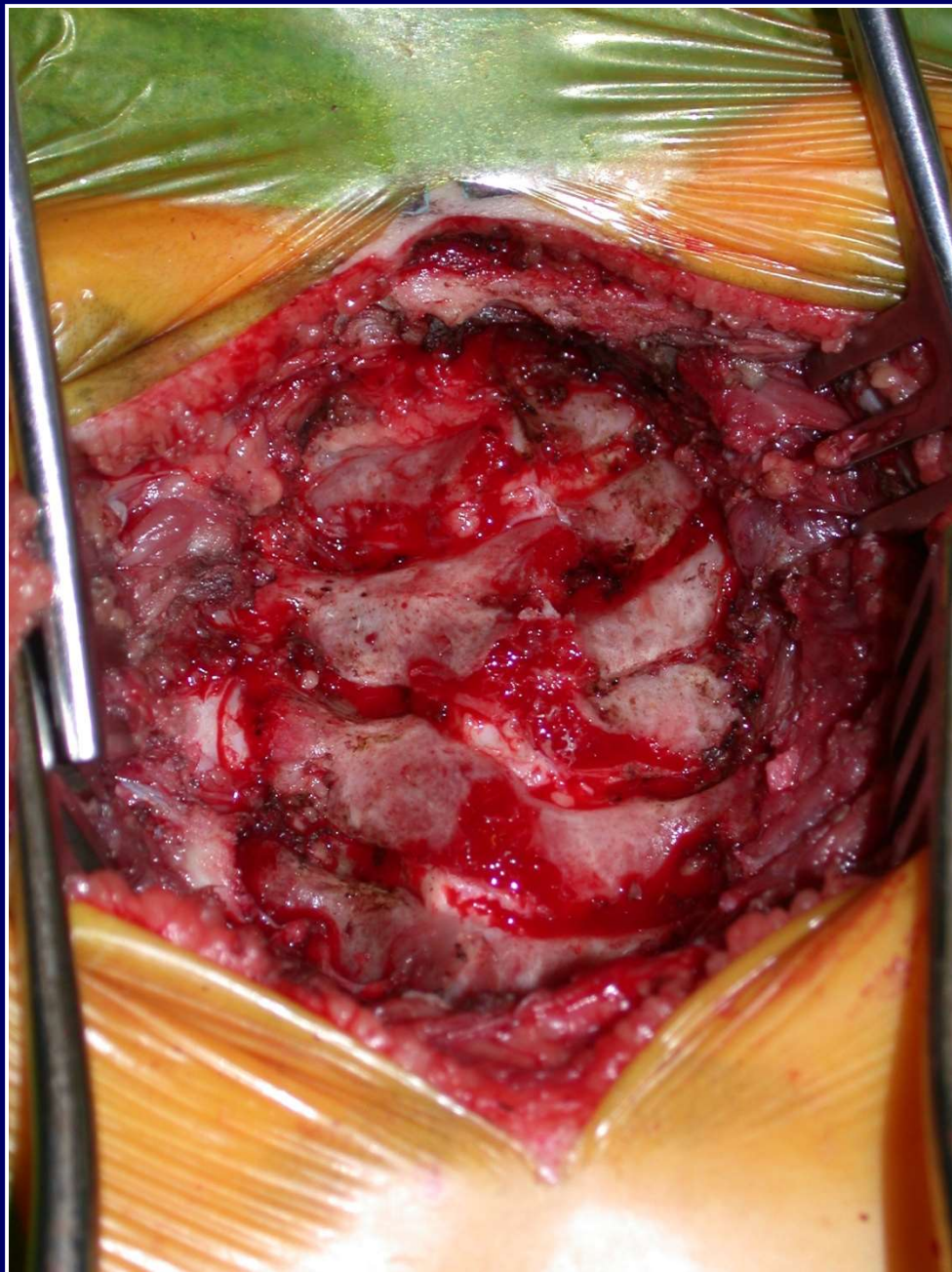


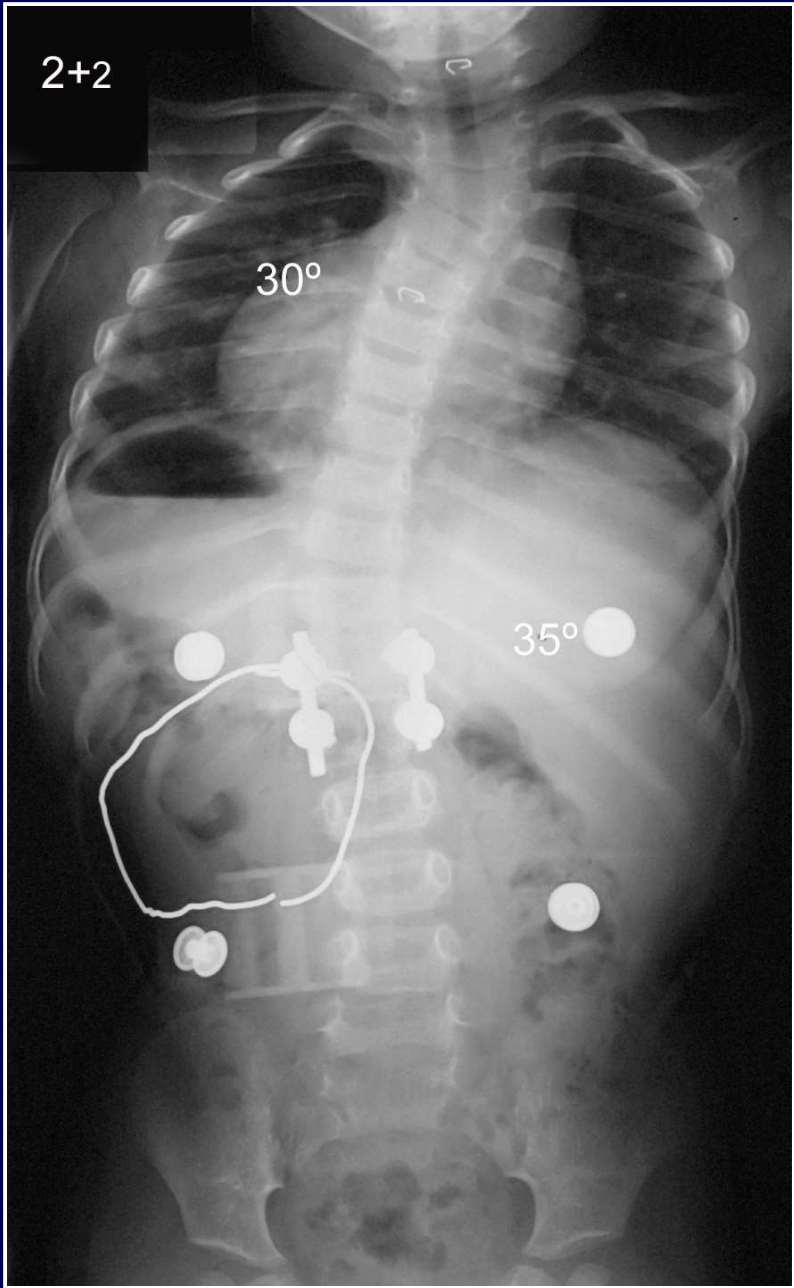
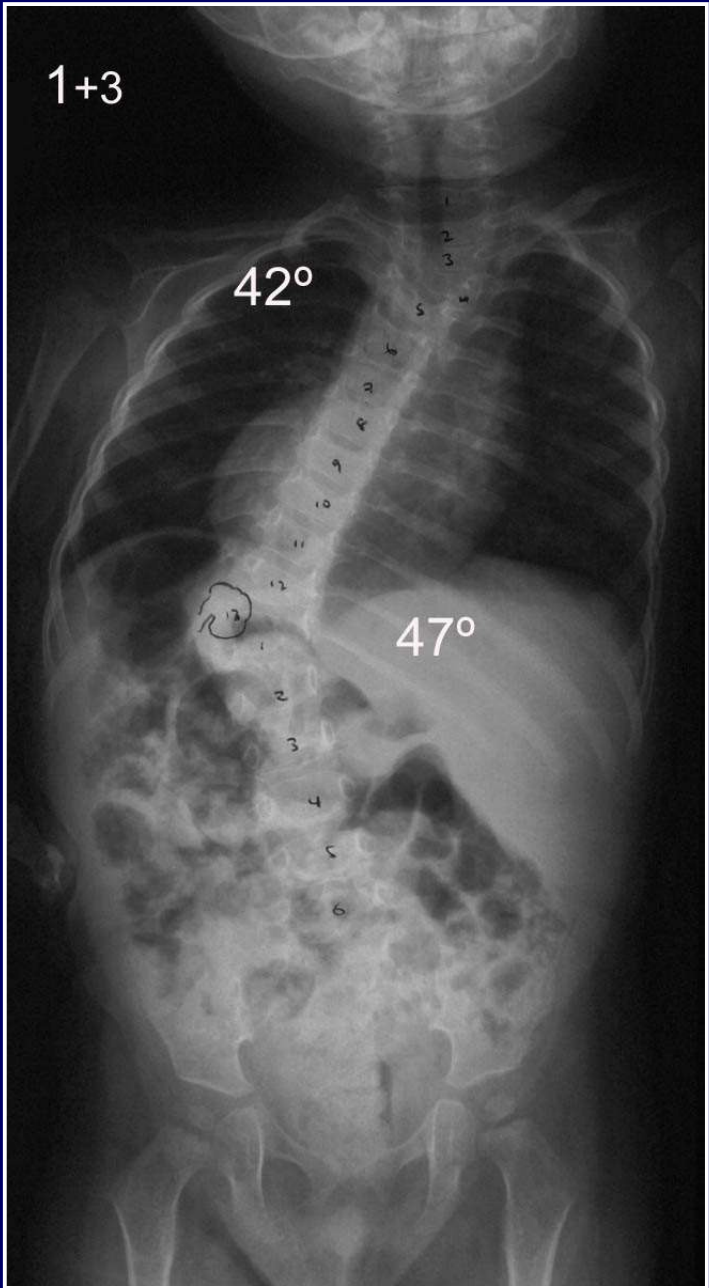
Complex vertebral anomalies



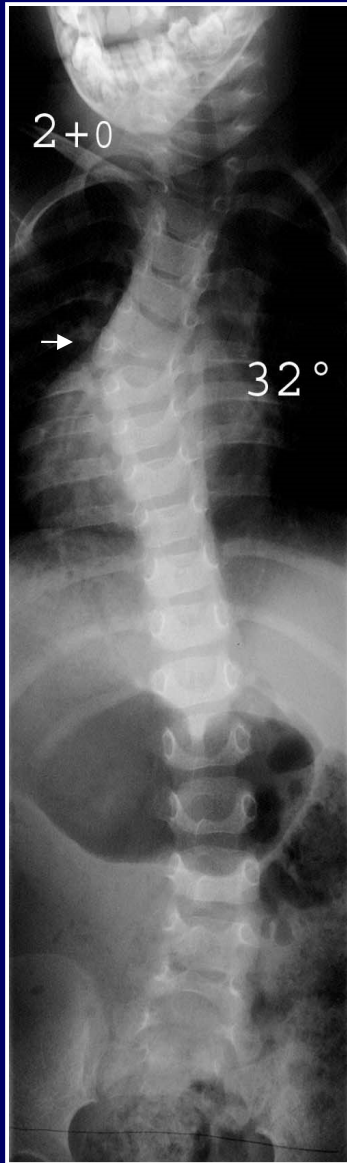


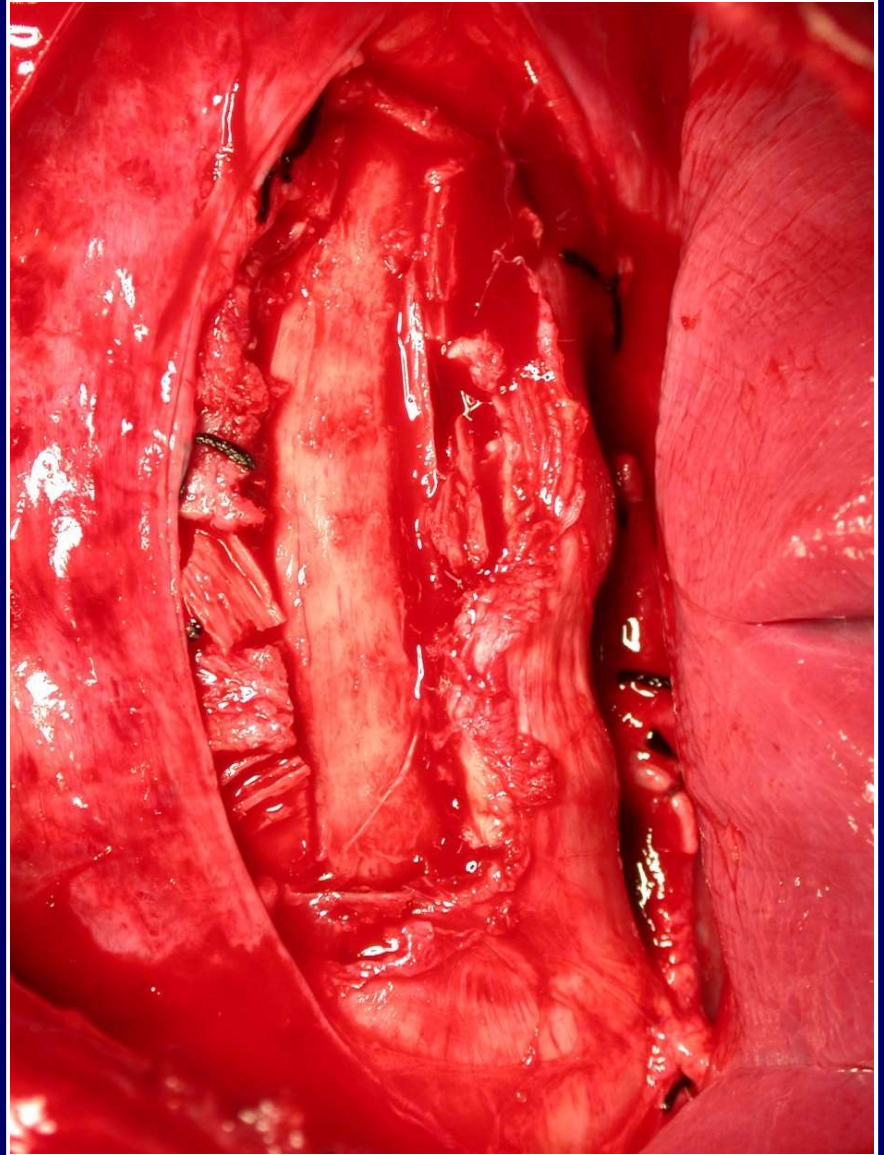


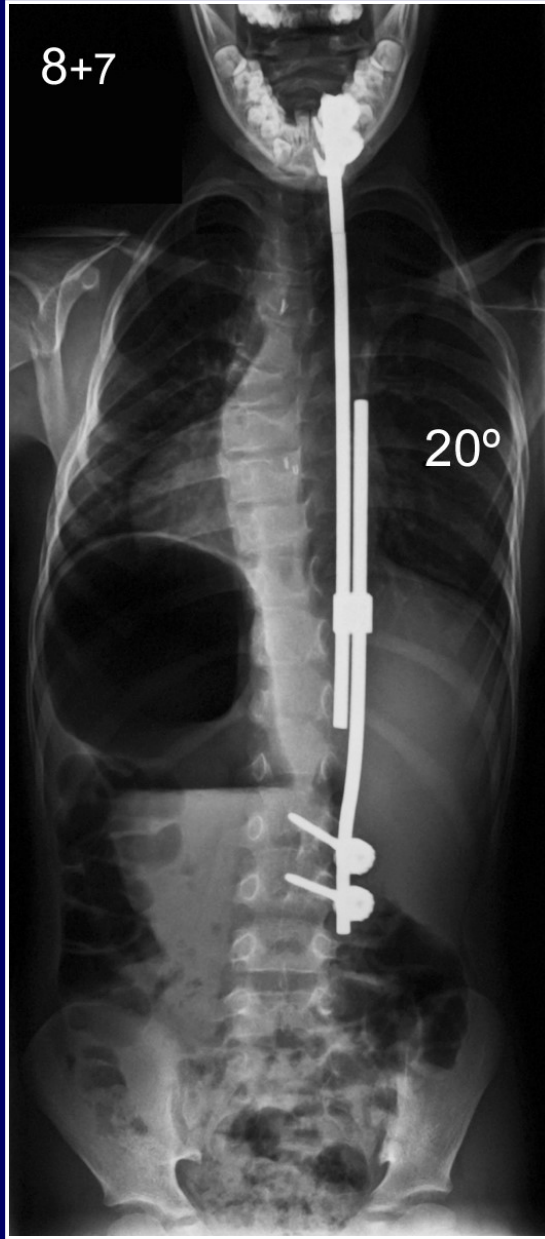
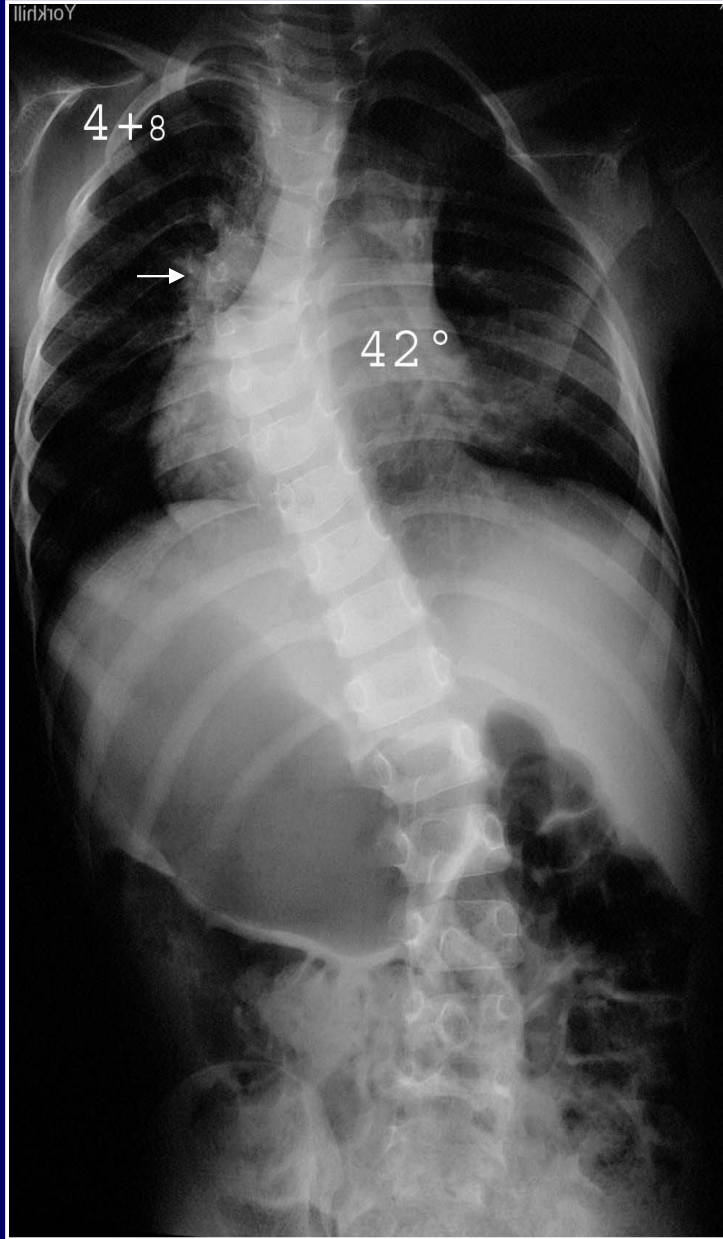




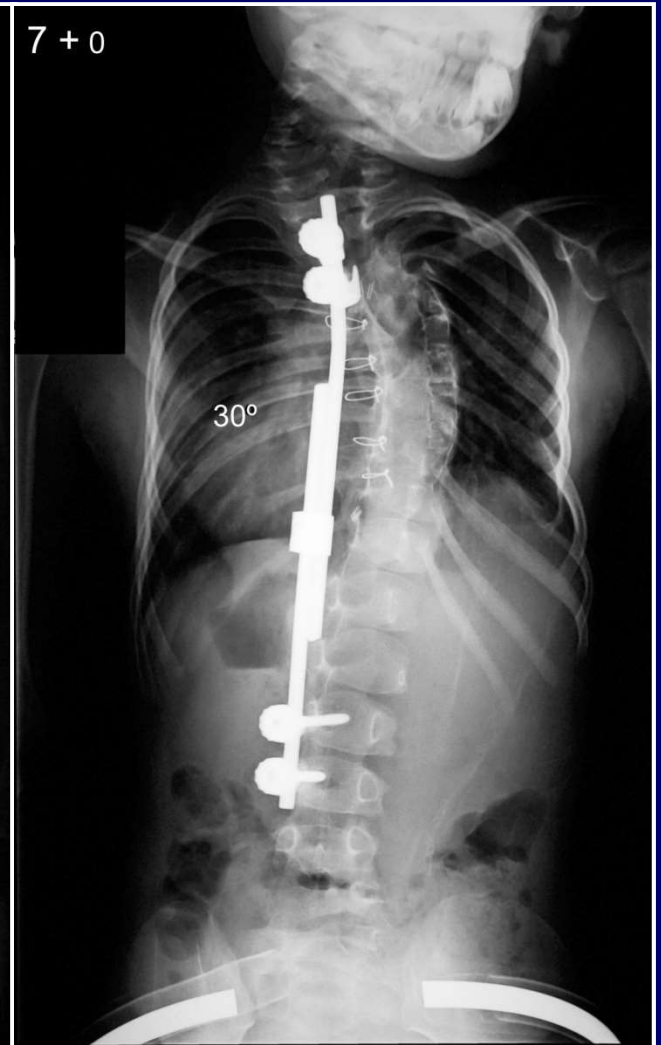
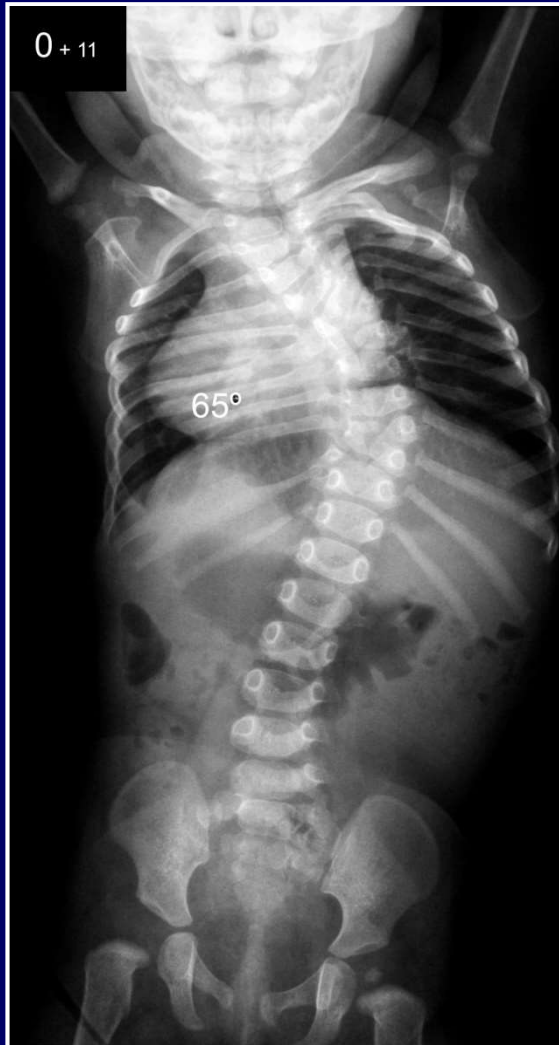
A/P convex growth arrest-GR



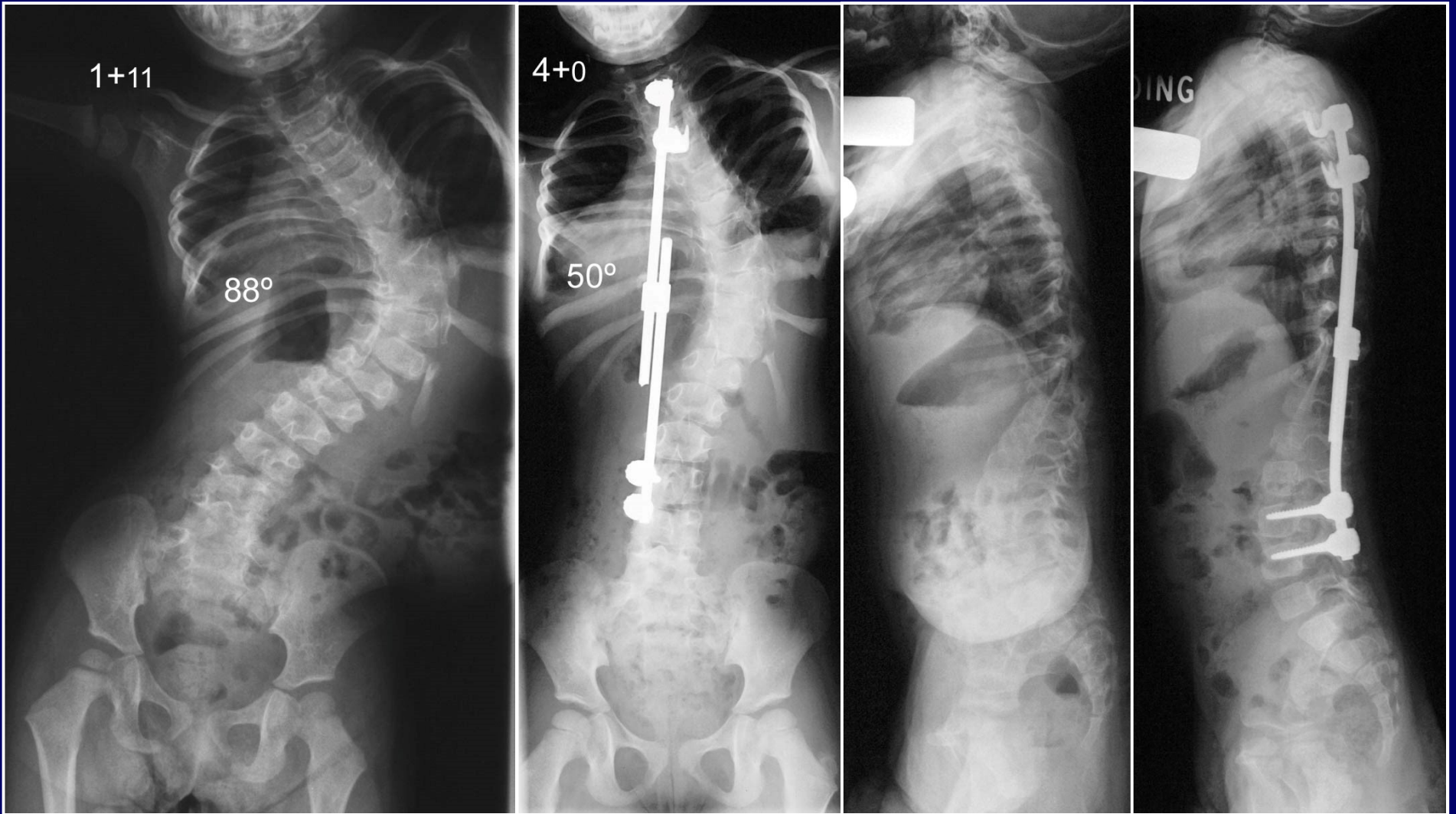




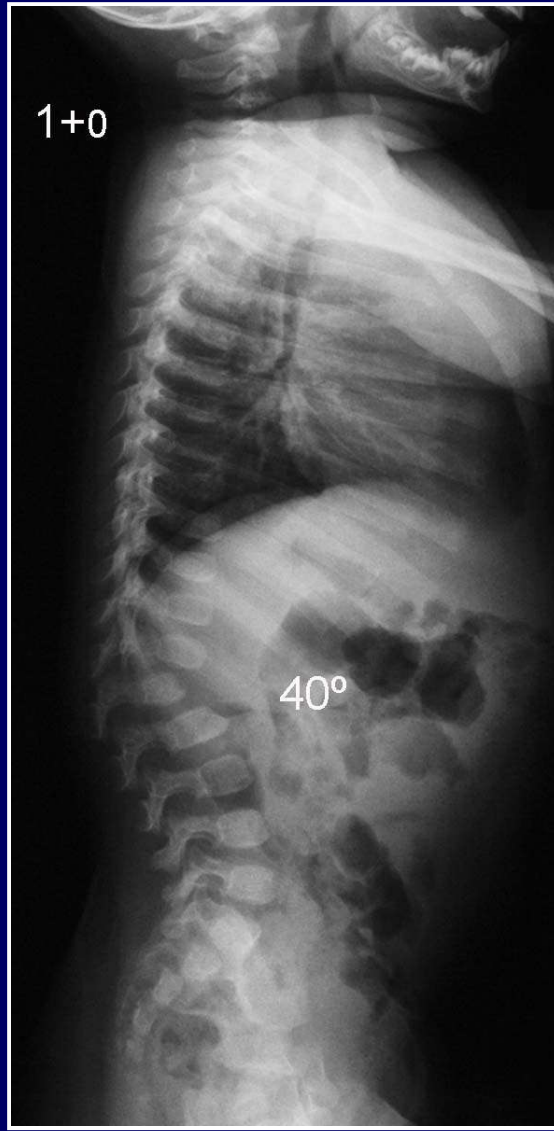
A/P convex fusion-GR



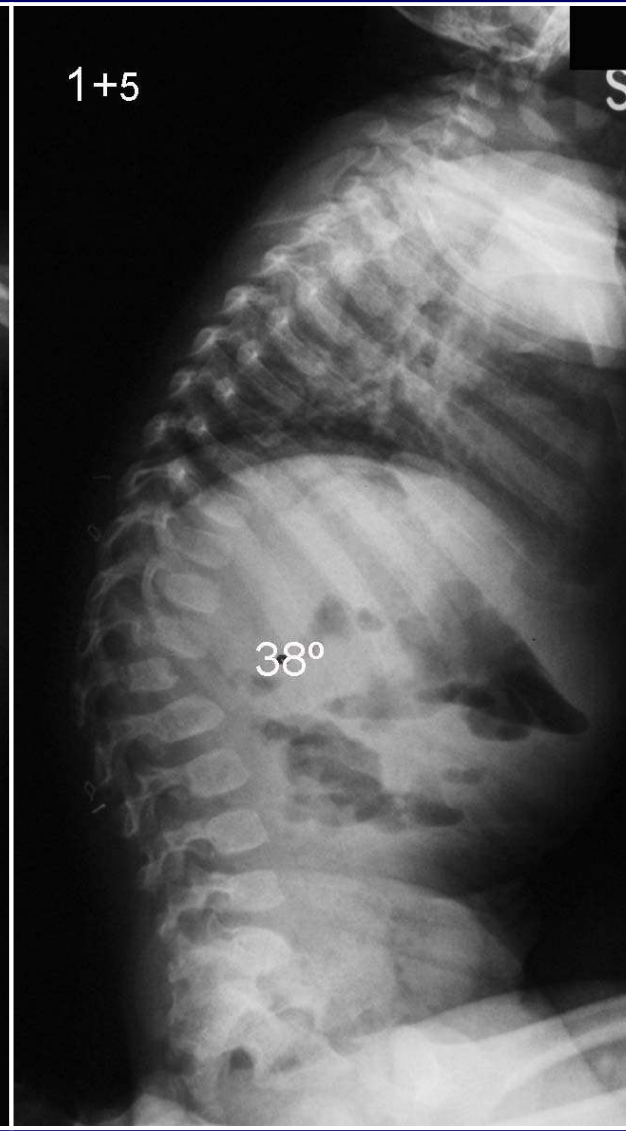
Anterior convex fusion



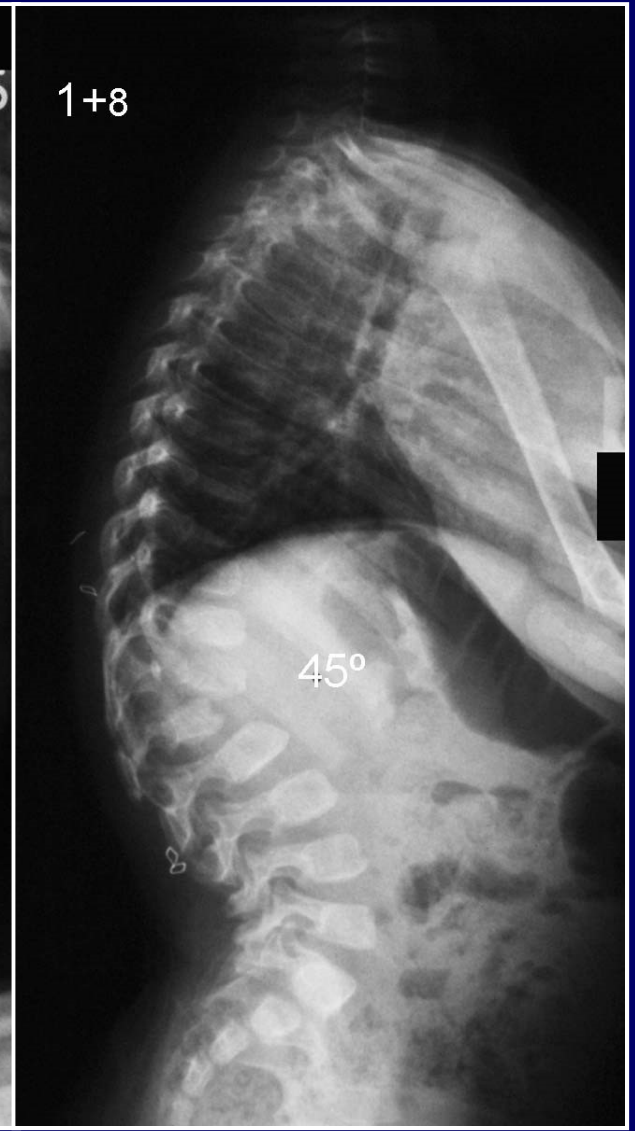
Prophylactic PSF



preoperative

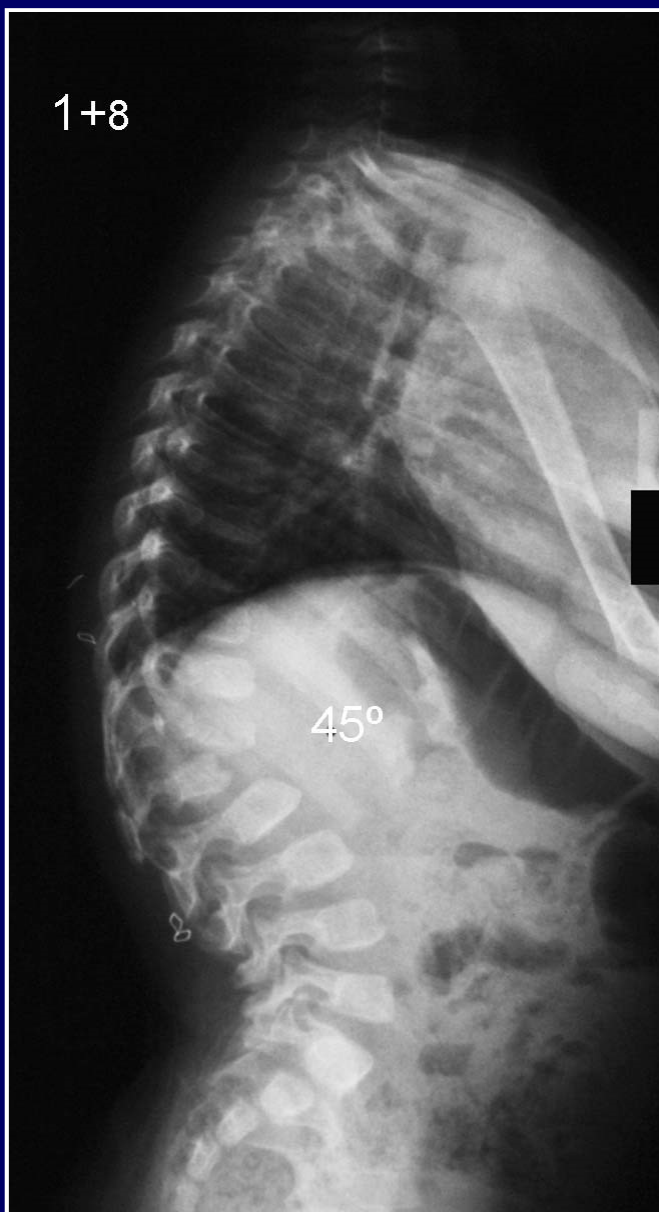


postoperative

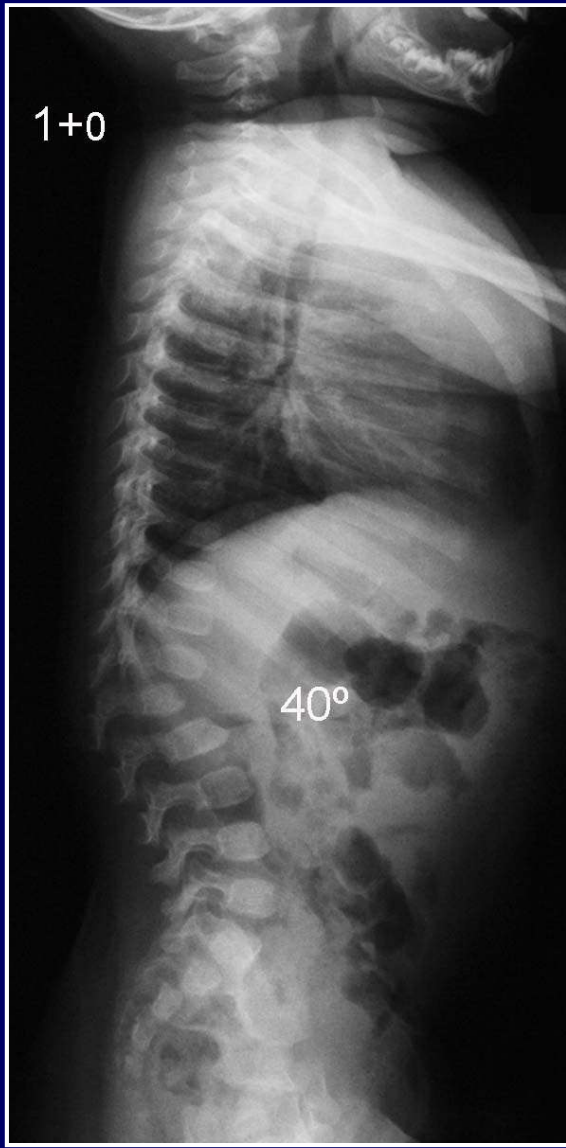


pseudarthrosis

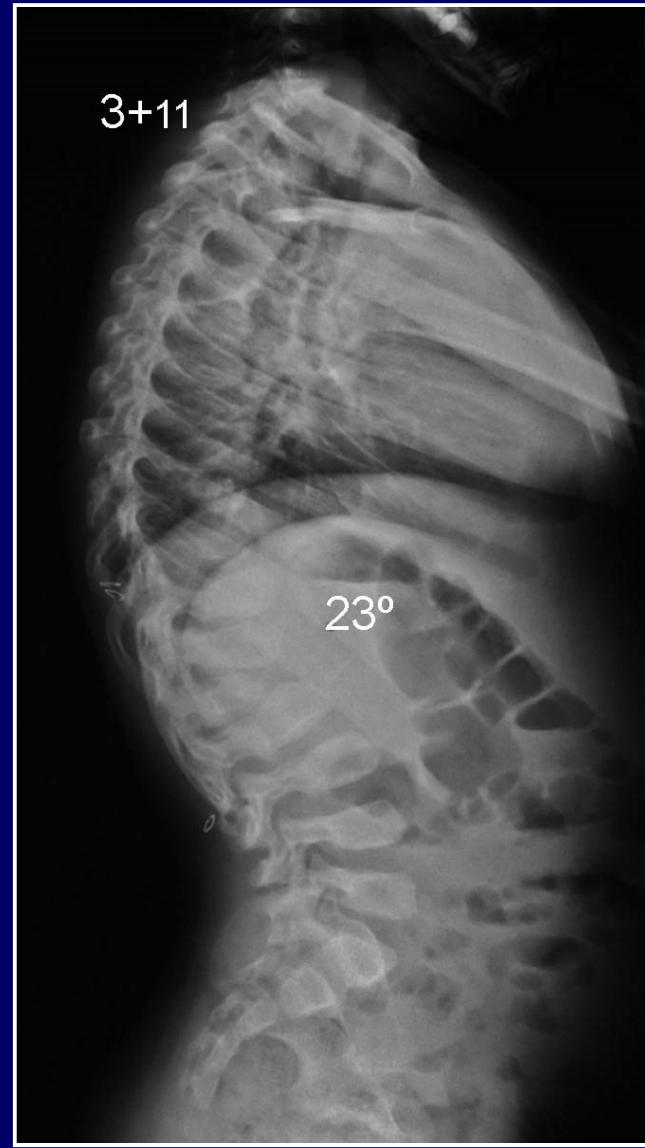
pseudarthrosis



preoperative



follow-up



Thank you for your attention

