

Epiphysiodesis and Rib Distraction to Control Severe Early Scoliosis on a Prader-Willi Child

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Growing Spine, Montreal 2008

September 2001

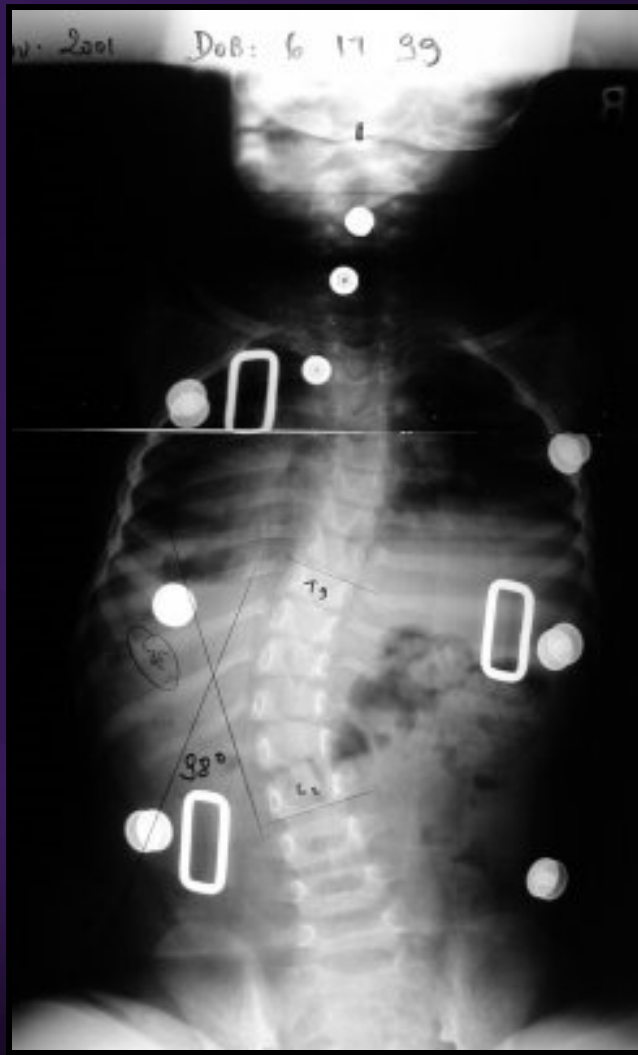
X Ray in brace shows 31° T9-L2 curve



1 yr 3 mths Old

November 2001

X Ray in brace shows 38° ($+7^{\circ}$) T9-L1 curve



1 yr 6 mths Old

Although Questionable, Bracing Still
Continued...

November 2002

Despite Regular Bracing 60° ($+30^\circ$) T9-L1 curve



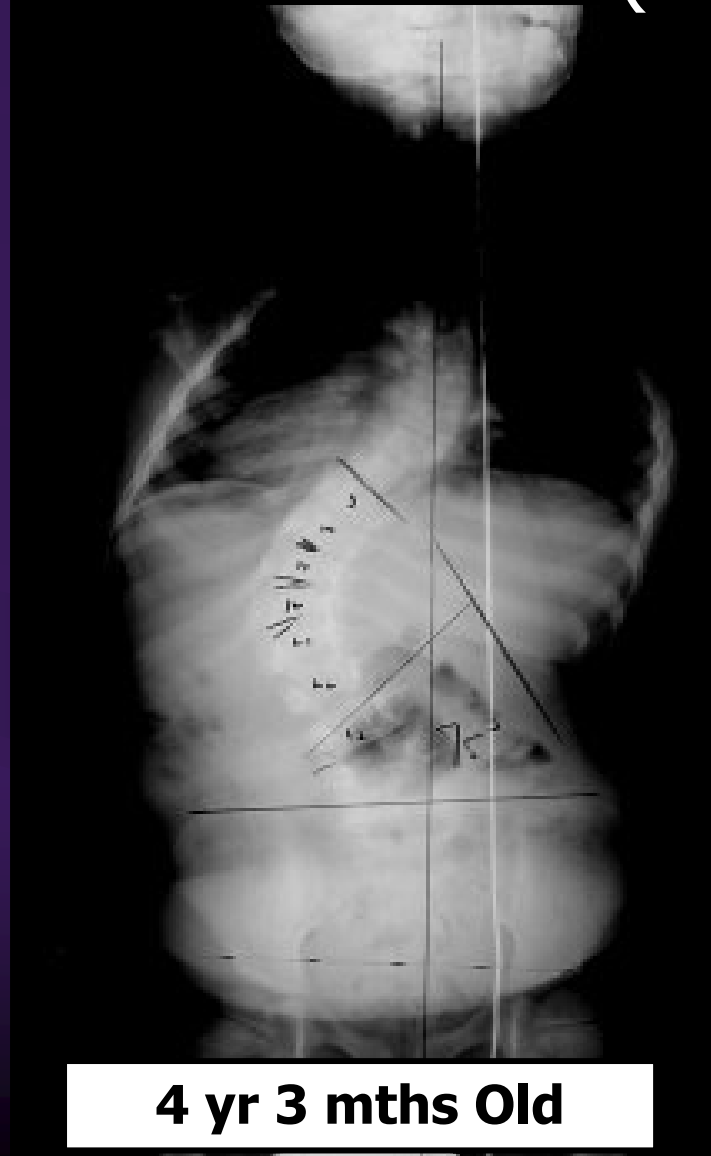
Thoracic
Compensatory Curve

Pelvic Obliquity

3 yr 5 mths Old

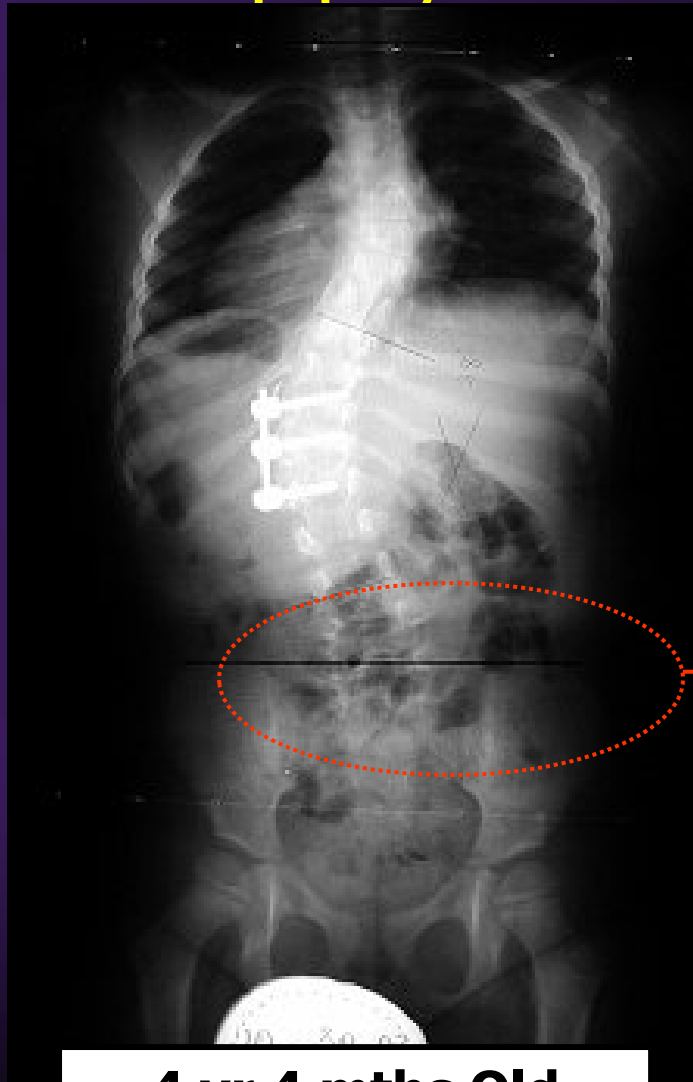
October 2003

In Brace $60^{\circ} \rightarrow 75^{\circ}$ (+45°)



October 2003

T11 – L1 Epiphysiodesis $75^{\circ} \rightarrow 40^{\circ}$

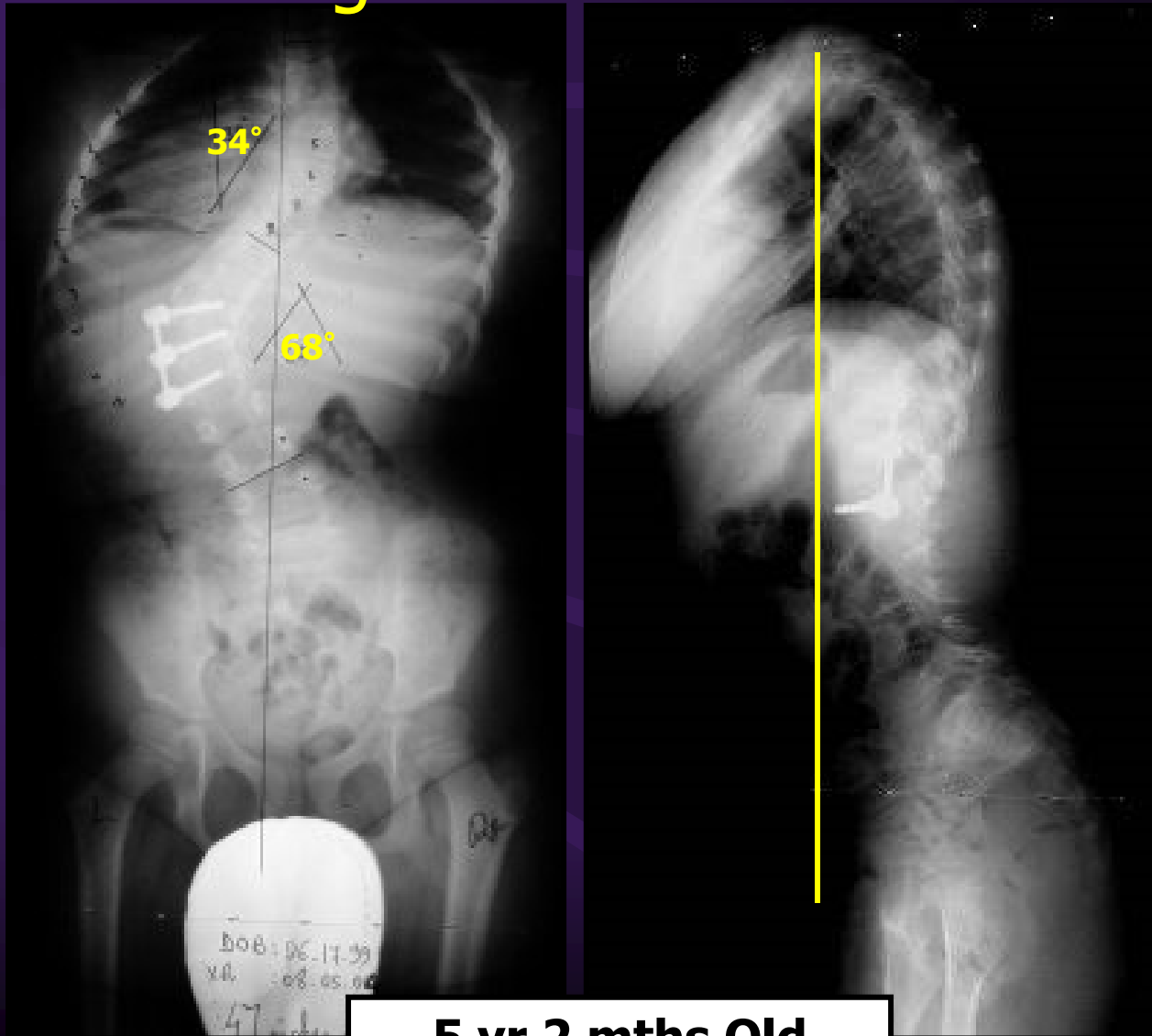


Correction of
Obliquity

4 yr 4 mths Old

August 2004

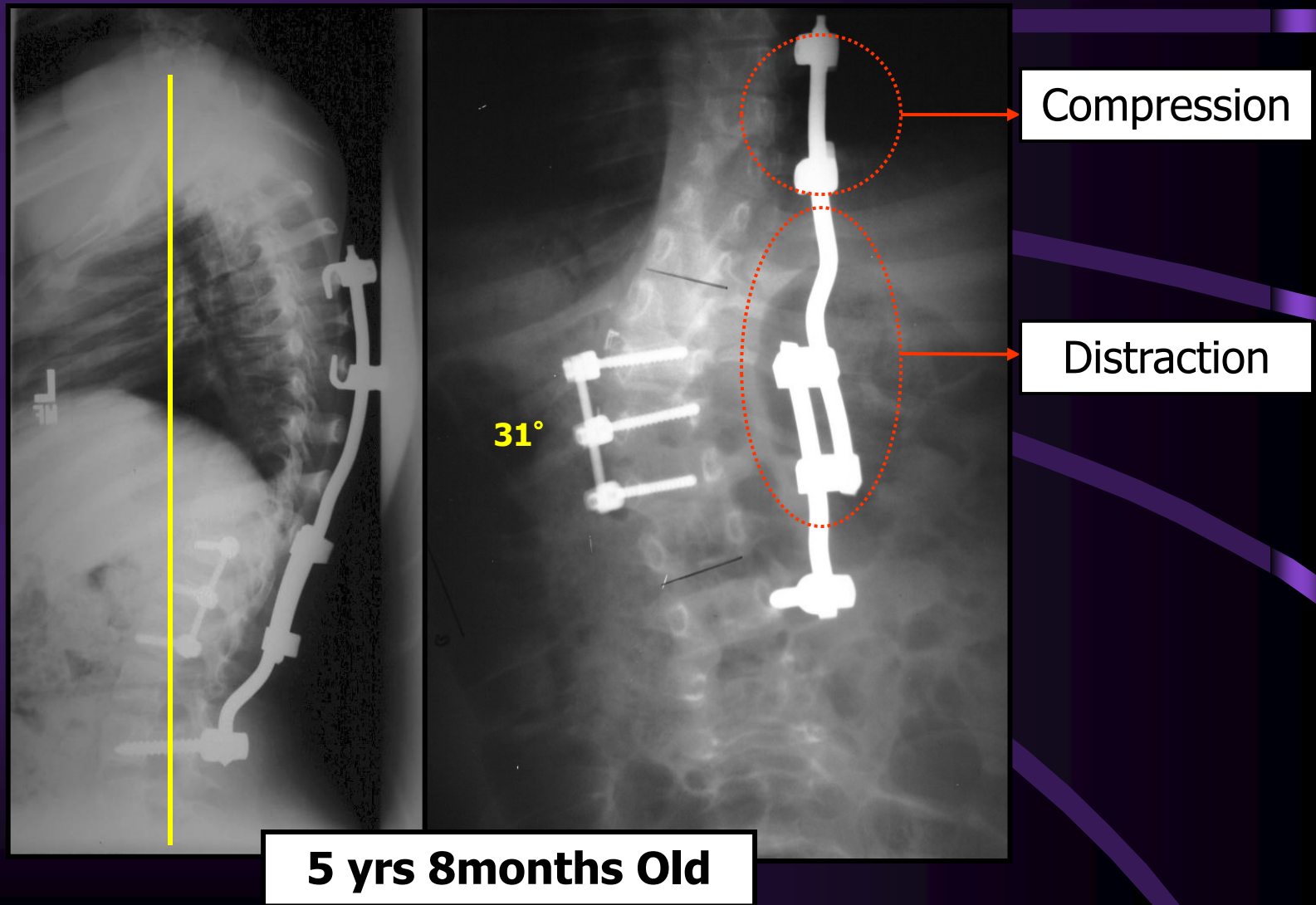
Progression Continues



5 yr 2 mths Old

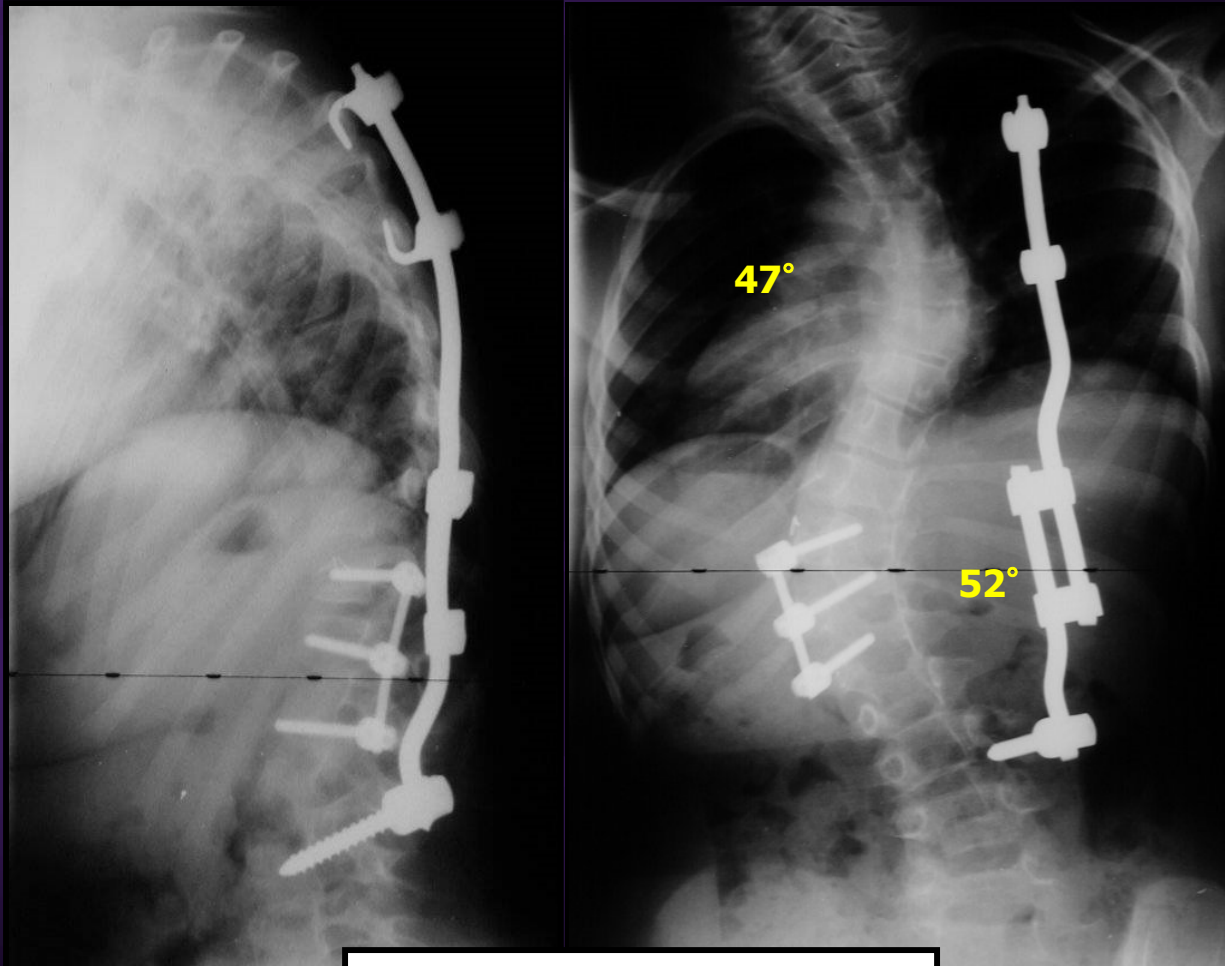
February 2005

Application of a Rib Distracter (L3-Rib 5-7)



December 2005

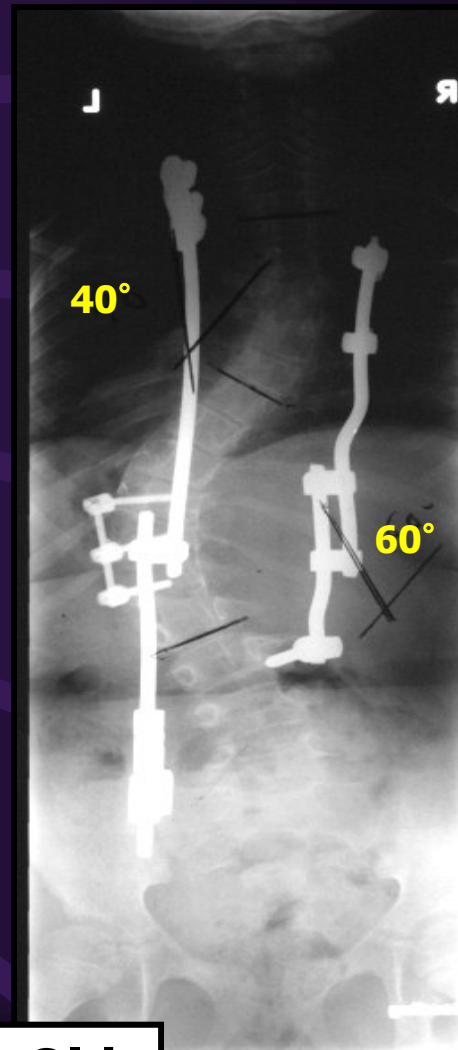
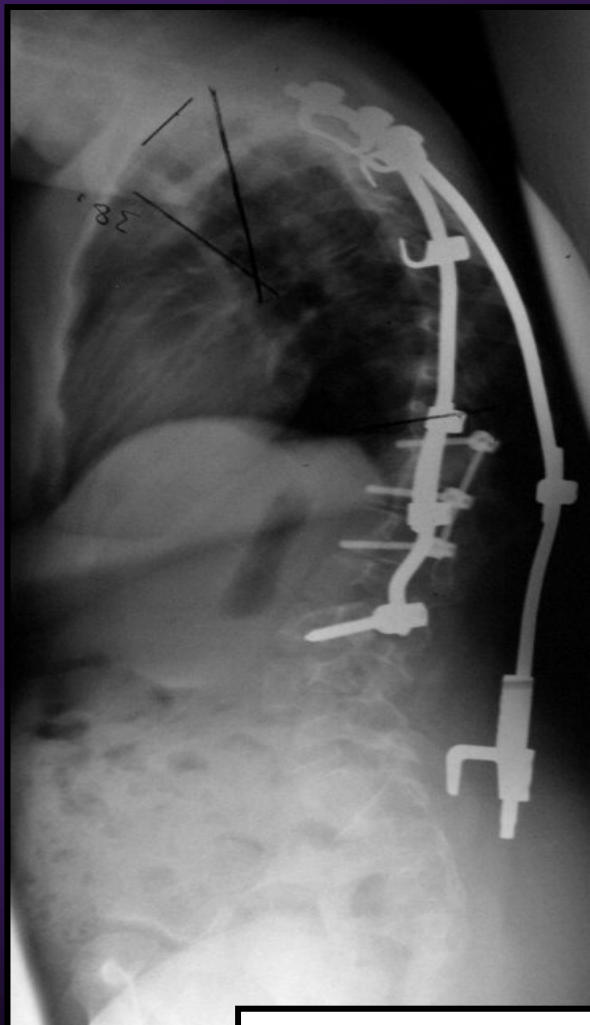
Progression



6 yrs 6 mths Old

December 2005

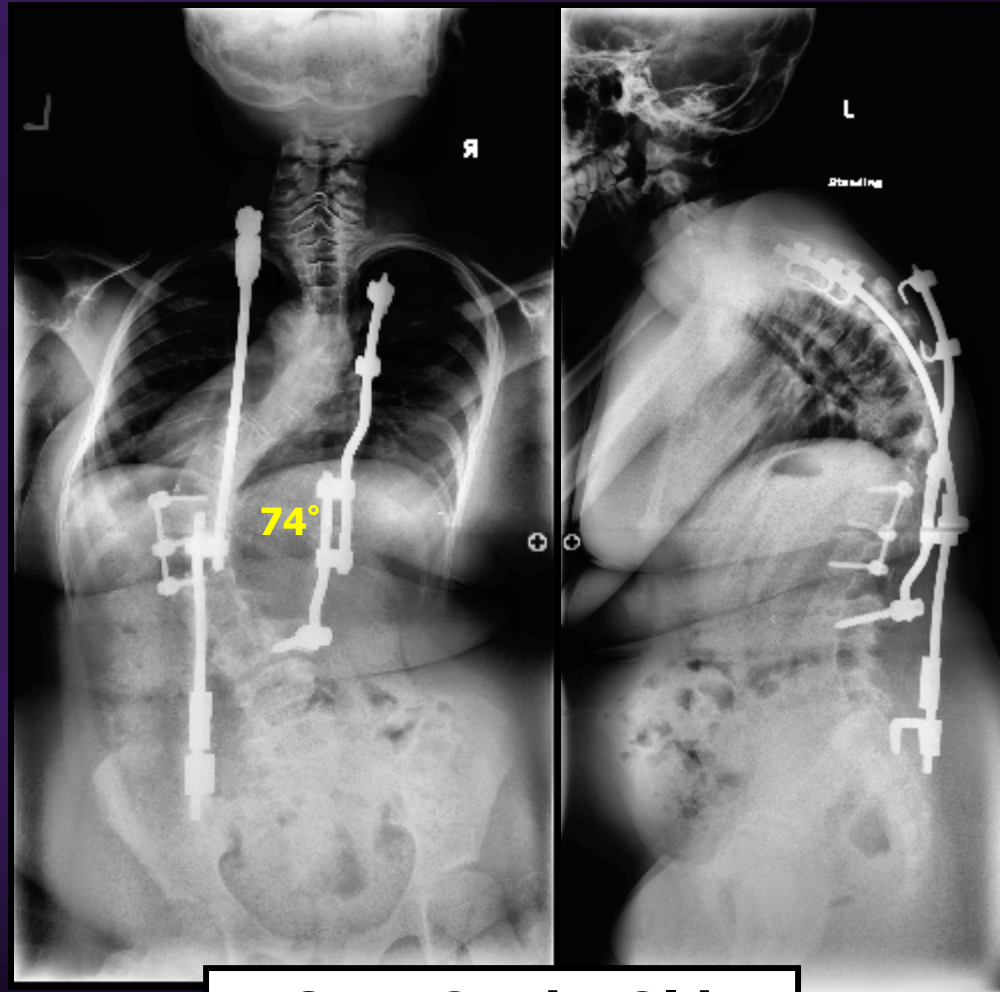
Addition of Left Iliac – Rib 2-3 Distraction Instrument



6 yrs 6 months Old

August 2007

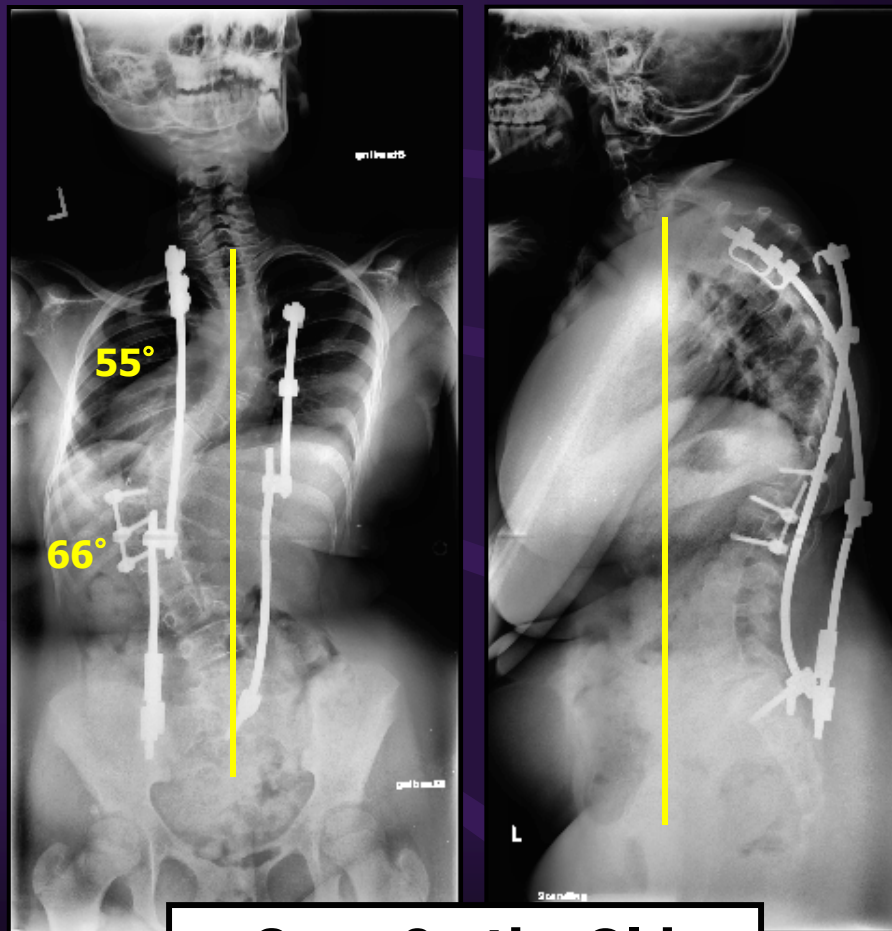
Progression of TL curve



8 yrs 2mths Old

April 2008

Right distraction instrumentation moved from L3 to Sacrum
+ Distraction



8 yrs 9mths Old

October 2008

Surgery decision based upon increased kyphosis
and inability to contain progression

The child is 9y 4m, and ready for definitive
treatment, with hope of sparing the L5-S1 Disc

Scheduled for December