

Madrid
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Langensteinbach

Shufflebarger
Kebaish
Lehman
Mac Thiong



Case Discussions: Fusion Levels in AIS

Adolescent Idiopathic Scoliosis: Surgical Treatment Choice of Levels for Thoracic Curves



CSVL



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1A Right



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Adolescent Idiopathic Scoliosis: Surgical Treatment Choice of Levels for Thoracic Curves

1A Left



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1A Error



Selection of Distal Fusion Level in AIS

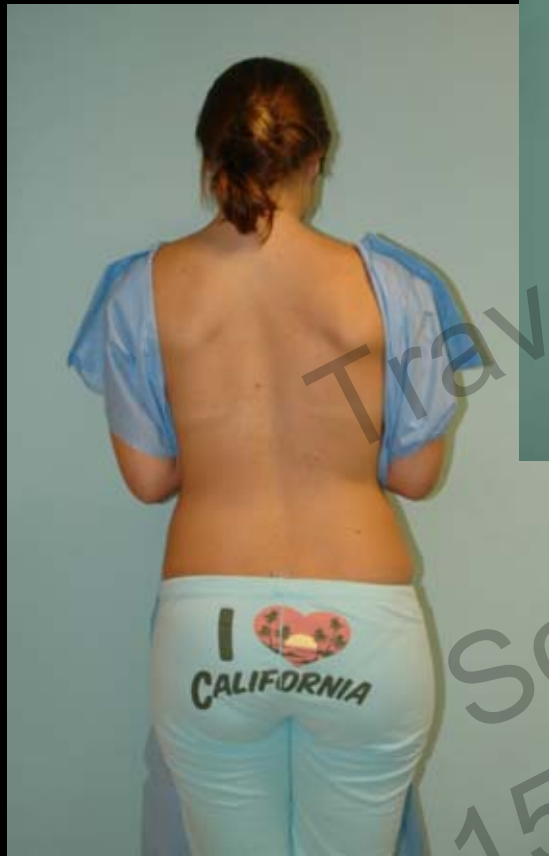


13 y/o girl
9 mos post-menarche
Otherwise normal

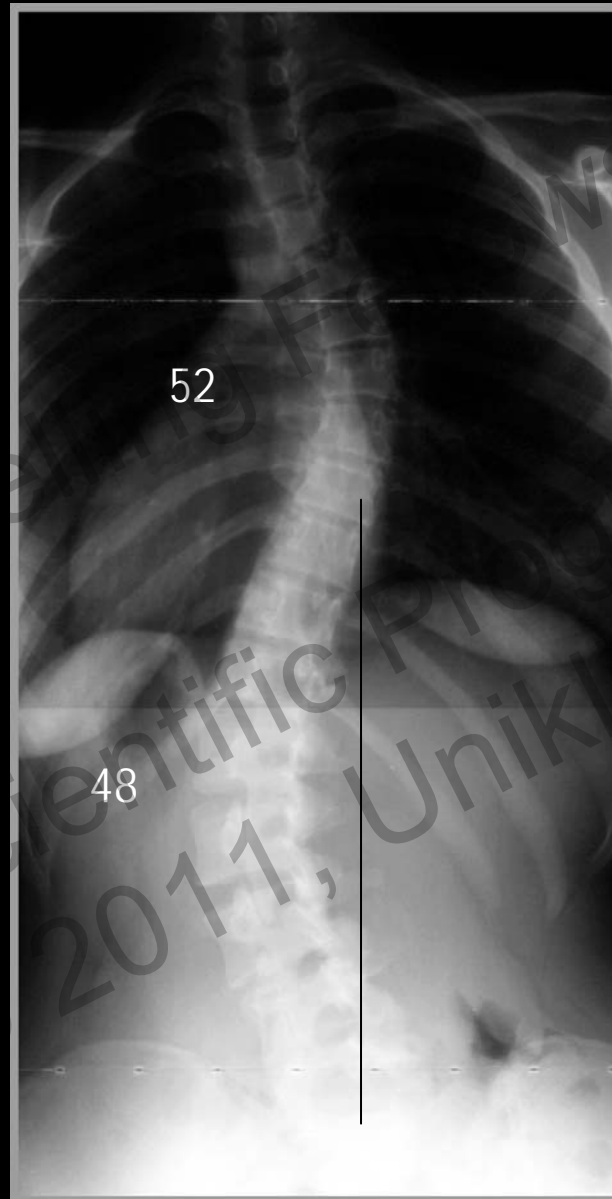
Selection of Distal Fusion Level in AIS



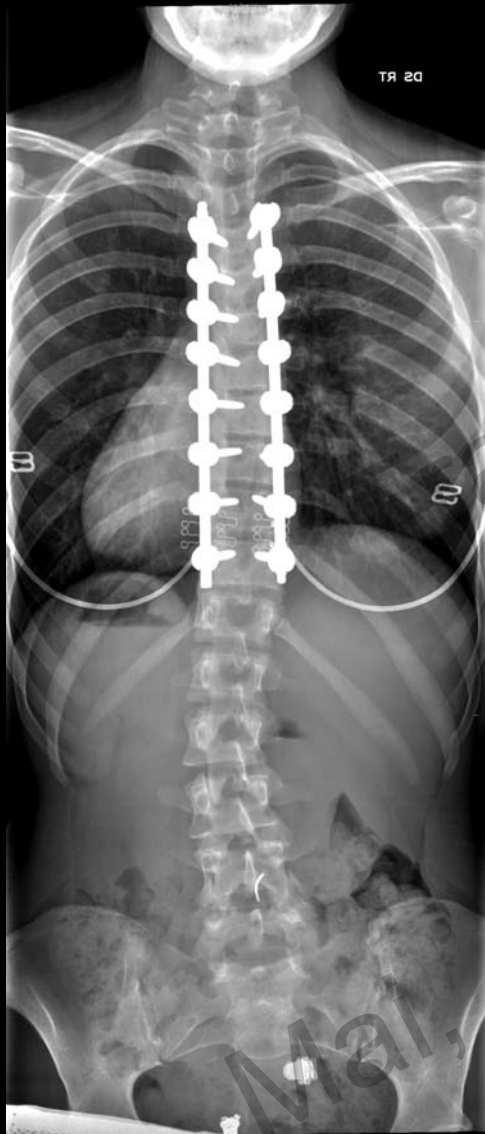
Selection of Distal Fusion Level in AIS



Selection of Distal Fusion Level in AIS



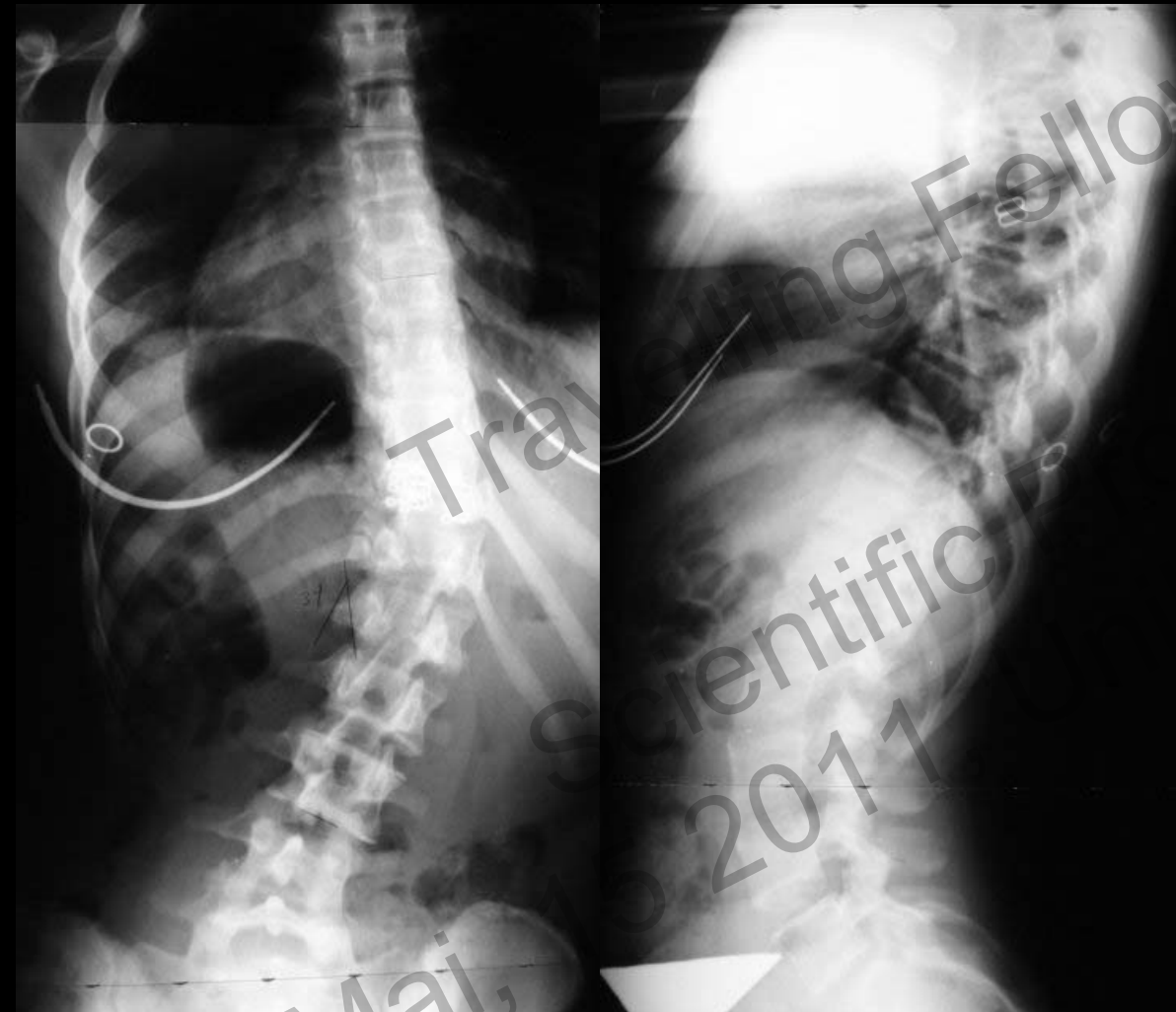
Selection of Distal Fusion Level in AIS



15 y/o girl

#1

trunk shift to right = chief complaint



2+ yrs menses
Some low back pain
Exam otherwise
unremarkable

2002

Supine



2002

Bending films
complete correction



15 y/o girl...complaint = trunk shift
Same as #1



#1



#2



MRI...reported no evidence disc disease,
bulge, or other disc pathology

#1



Treated: TLSO, physical therapy, observation

2 years later...trunk shift, more back pain
examination same

#1



2004



What next??



Discography



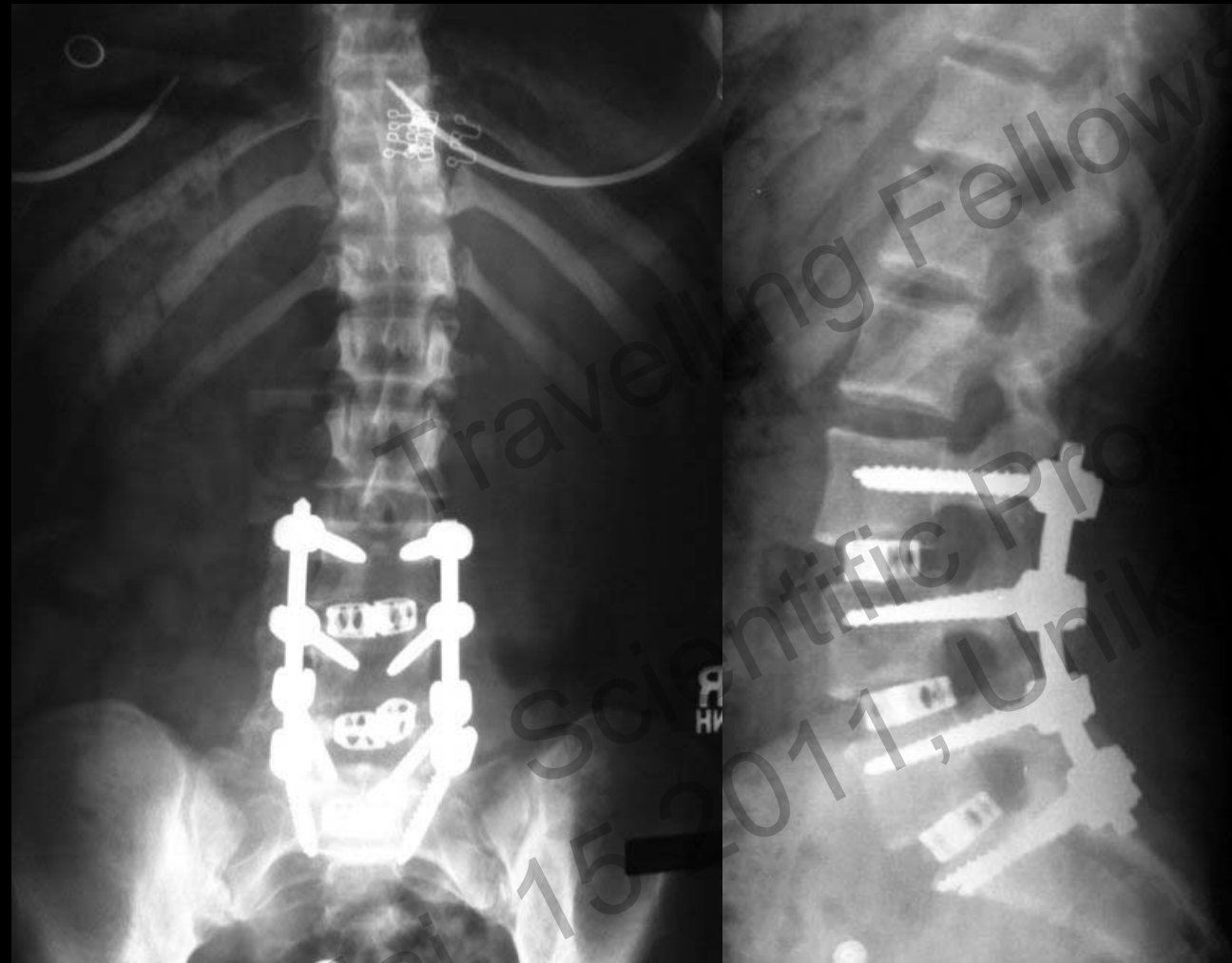
L 3-4 and L 5-S 1 markedly positive for
main complaint



What next?

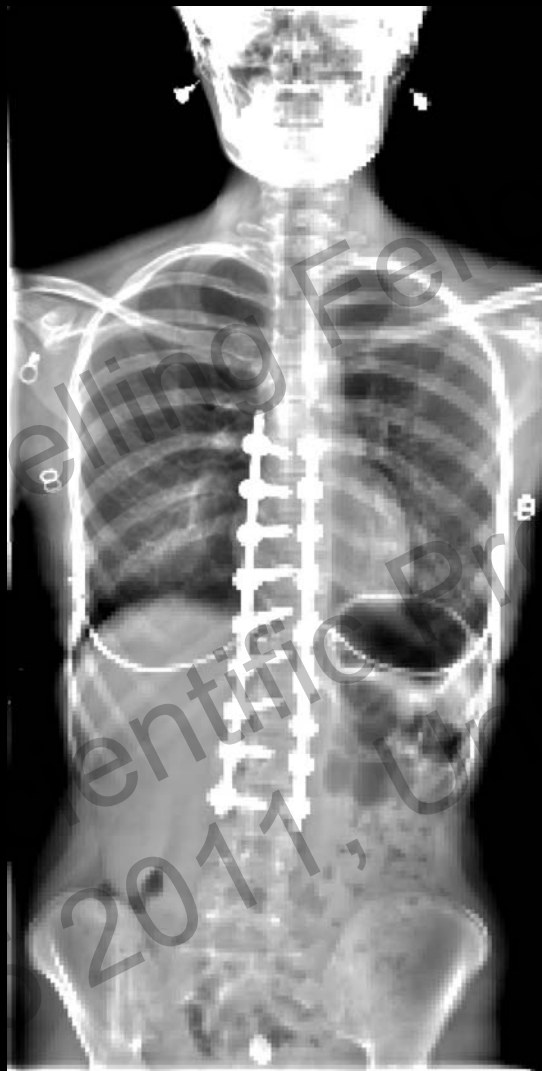
1 yr no symptoms, fully active

Happy Girl



"I didn't realize how uncomfortable I was"

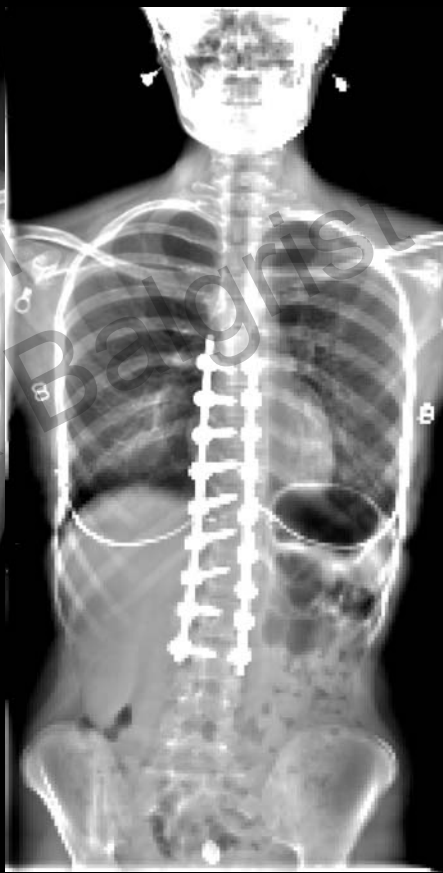
#2



#1



#2





13 y/o girl
Menarche 1 yr
O/W normal



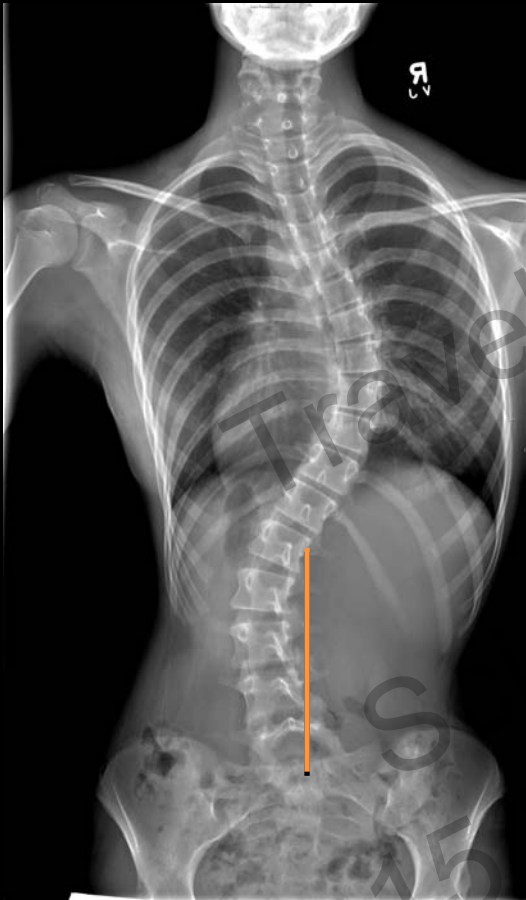
Travelling Fellows
Scientific Program
Uniklinik Balgrist



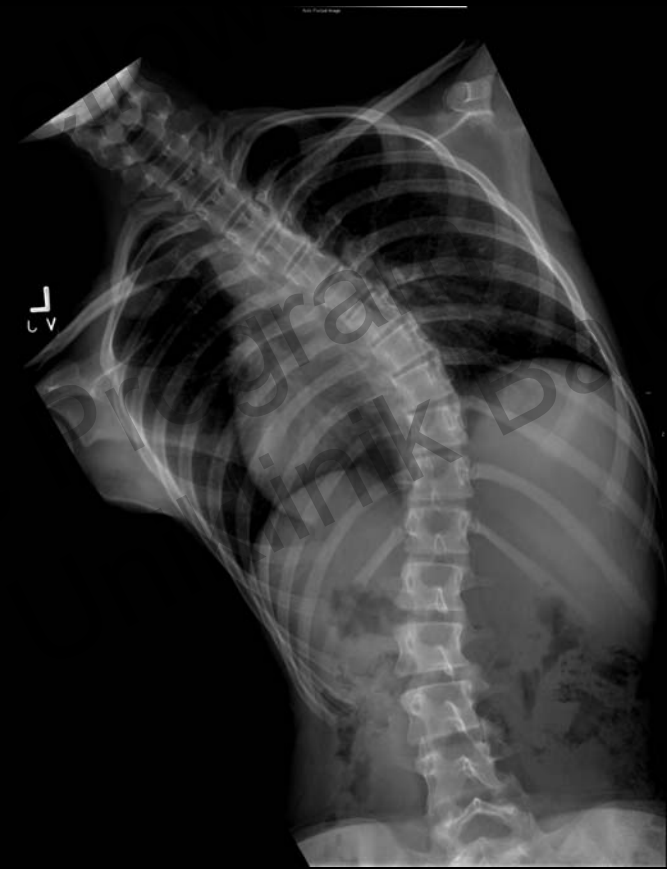
? Levels







11 y/o girl
Pre-menarchal
O/W normal



? Levels

5 days post-op

3 mos post-op

