



## Case Review:

Degenerative Scoliosis with rotation at L4-S1. Treated with a posterior spinal fusion from T10-Pelvis.

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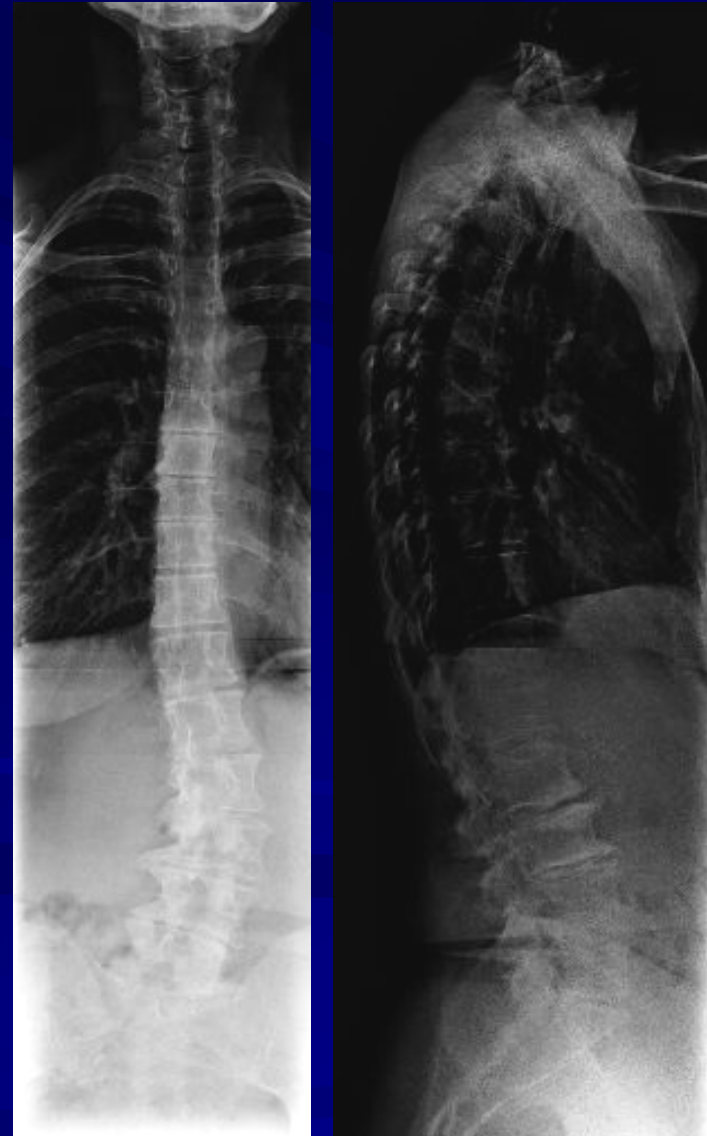
Scoliosis and Spinal Deformity Surgery

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# Patient History

- 67 year old female
- Status post intralaminar decompression on April 15, 2003, for primary complaints of radiculopathy in her right leg.
- Now she is having increased back pain, left pain radiating to her low back and laterally to her thigh.
- She has slight forward decompensation with gait, this due to lack of lumbar lordosis; 36 x 14 showed a collapsing degenerative scoliosis centered around L4 to S1 with significant rotation probably based on Adolescent Idiopathic Scoliosis with degenerative component.
- Low back pain especially with sitting
- On physical examination she is decompensated in the coronal plane and has thoracolumbar kyphosis up to approximately T12.

# Indications for Surgery



- Adult Idiopathic/Denovo Scoliosis, thoracolumbar spine.
- Lumbar kyphosis, status post degeneration of the lumbar spine.
- Status post interlaminar decompression, L3-4, L4-5 and L5-S1 on the right for radiculopathy.
- Now with increasing low back and radicular pain due to the above diagnoses.
- Multiple co-morbidities including osteopenia and pain medicine.

# Surgical Strategy

1. Segmental spinal instrumentation at thoracic 10 to sacral pelvis using 1/4 inch stainless steel pedicle screw/rod construct.
2. Multiple level Smith-Peterson osteotomy, thoracolumbar spine T12 to L3 with bilateral radical facetectomy, under the microscope.
3. Interlaminar laminotomies with facetectomy, re-exploration and decompression, L3-4, L4-5, L5-S1 on the right.
4. Posterior spinal fusion using locally harvested autogenous bone and RH BMP, T10 to sacral pelvis.
5. Intraoperative somatosensory evoked potentials.
6. Intraoperative fluoroscopy.

# Post-Op Films



The patient is 6 months status post posterior instrumented fusion for Kim/SRP type 2 adult idiopathic curve. The patient is doing well. She has no radiculopathy, minimal low back pain, and is returning to tennis wearing a brace.

# Pre-op/Post-Op Films

