

Scheuermann's Kyphosis: treated with ASF/PSF

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Scheuermann's Kyphosis

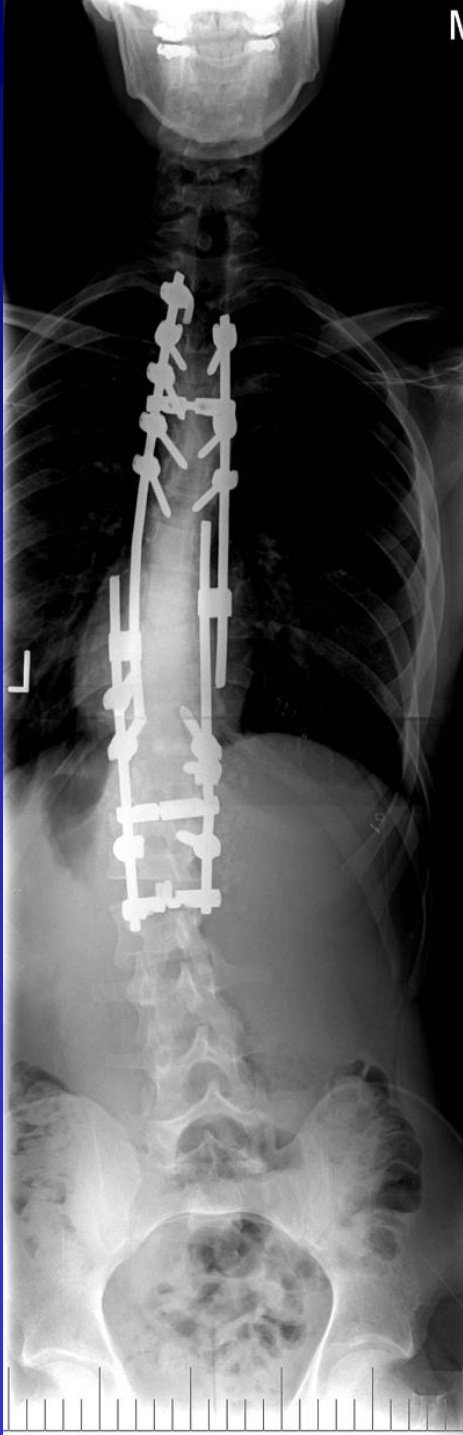
- 23 year old male with cosmetic deformity
- Diagnosis: 90° Scheuermann's Kyphosis, thoracic spine, short angular curve with an apex at T9
- Neck, thoracic and lower back pain; failed to respond to conservative therapy
- Patient lost 2 inches in height over the previous 18 months.

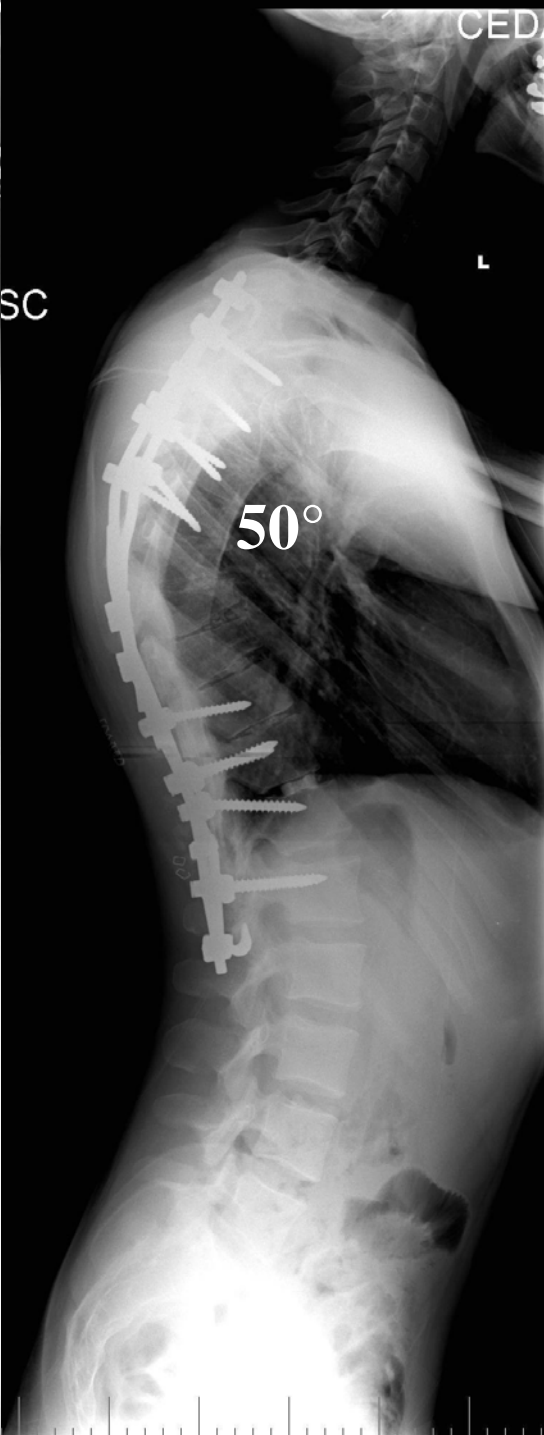


Pre-Operative X-Rays

Surgical Strategy

- Right T6 thoracotomy
- Anterior disectomy and release T5-T12
- Anterior interbody fusion T5-T12 with a combination of rib autogenous bone
- Anterior interbody fusion device, FRA allograft with autogenous bone T10-T11
- Posterior spinal fusion T2-L1
- Multiple level osteotomy from T6-T10
- Bilateral rib osteotomy for release of Kyphosis
- Interlaminar laminotomy, mesial facetectomy, and lateral recess release T12-L1





Results

- 44% correction of kyphosis was obtained.
- The patient's symptoms were resolved, and he was pleased with the cosmetic outcome.