

EOS IMAGING



Cumulative Radiation Exposure With EOS Imaging Compared With Standard Spine Radiographs

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For Given Scoliosis X-ray AP/Lateral ~
50% decrease in radiation dosage



Spine Deformity

The Official Journal of the Scoliosis Research Society

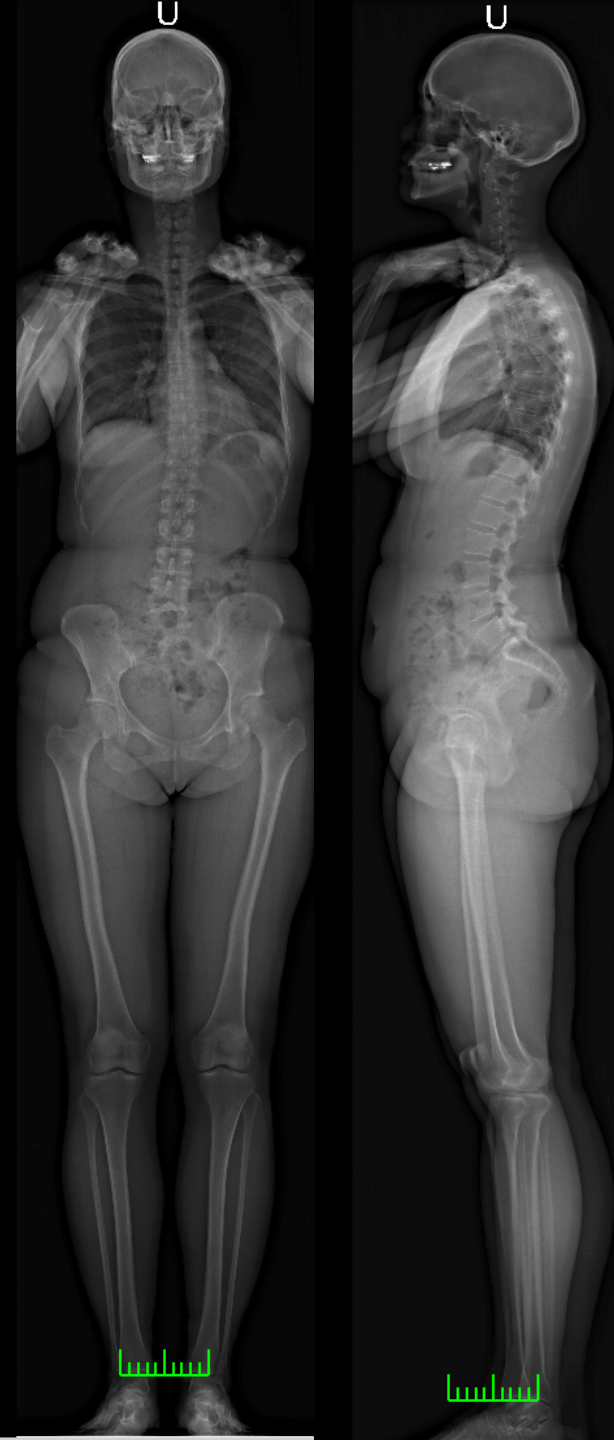
New EOS Imaging Protocol Allows a Substantial Reduction in Radiation Exposure for Scoliosis Patients

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- Allows even lower with modified protocol
- 0.33 mGy vs. 0.05 mGy, ~ 6 X reduction
- In total, can be 10-12X less than traditional X-rays

Why important?

- Assessment of Skull to Foot
- Important for Deformity Assessment
- Less Radiation



Lateral Lumbar Interbody Fusion

- Makes Fusion Possible L3-4, L2-3 with Interbody in Safe and Fast Method
- Also at L4-5, but less Safe
- Replaced TLIFs for those not happy with TLIFs

BUT – most innovative is ALL Release

- Does not Replace PSO
- CAN NOT DO ALL RELEASE IN FUSED SEGMENTS
- In Select Cases, can Avoid 3CO and minimize complications
- Unsure if really necessary in primary case settings

Some Illustrative Cases Where it has worked for me



72F back pain, Neurogenic
Claudication, ambulatory
intolerance





PI-LL Mismatch of 30

+ SVA 10cm

Flatback from L3-S1

Prior Fusion L3-4



I, L

C: 33461.0, W:



378

1 yr Post-op

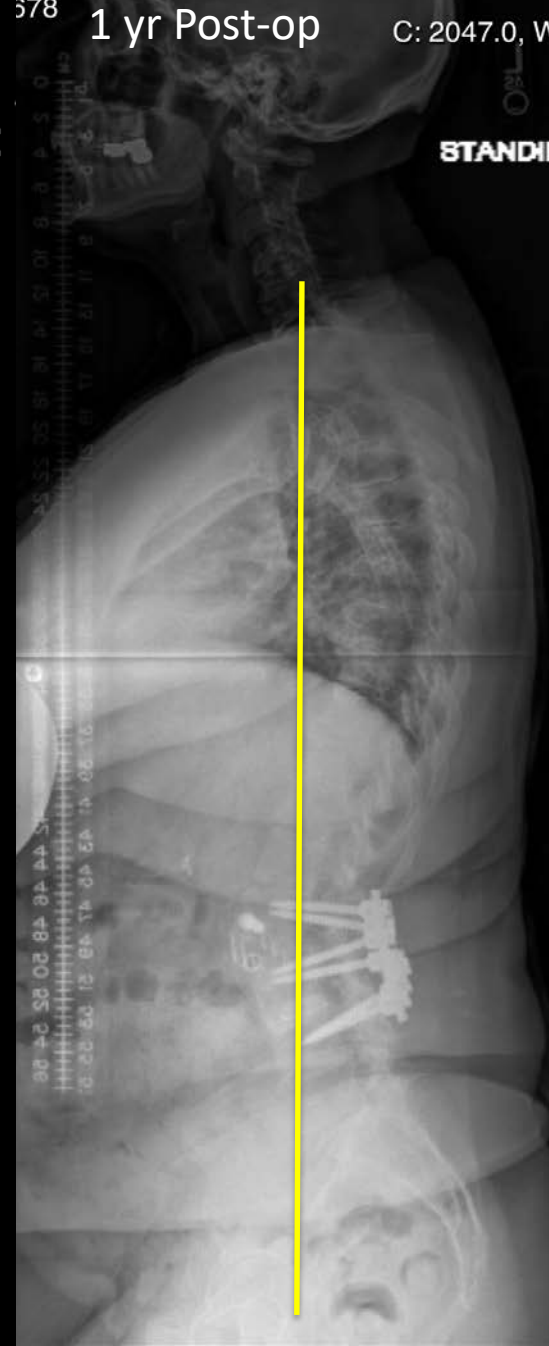
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STANDI

Might have been T12-
Pelvis, PSO L4 Case

Home on POD#3

No Complications





63M

LSS, Spondylolisthesis,
Failed Injections

Prior history of
L3-L5
Laminectomy/Laminoplasty
20 yrs ago