

Case Review:



16 year old female,
with Spondylolisthesis
symptomatic after a
motor vehicle accident.

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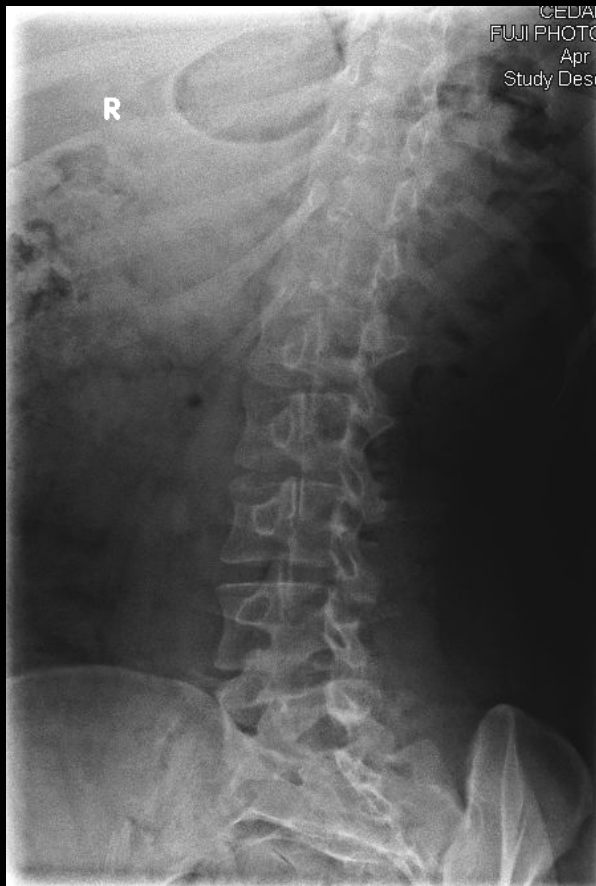
Patient History

- 16- year-old female
- 3-year history of back pain and lower extremity pain primarily on the left.
- Previous motor vehicle accident and was found to have fractures of the pars interarticularis
- She states that she participated in gymnastics around the age of 10.
- Failed conservative treatment

Pre-op X-rays



Oblique X-rays



Oblique X-rays are taken to look at the spine from a diagonal angle. In particular, the surgeon is looking at the pars interarticularis. He or she is looking for a gap in the joint called Spondylolisthesis.

Flexion and Extension X-rays



Flexion and Extension X-rays are taken to look for abnormal movement in the spine.

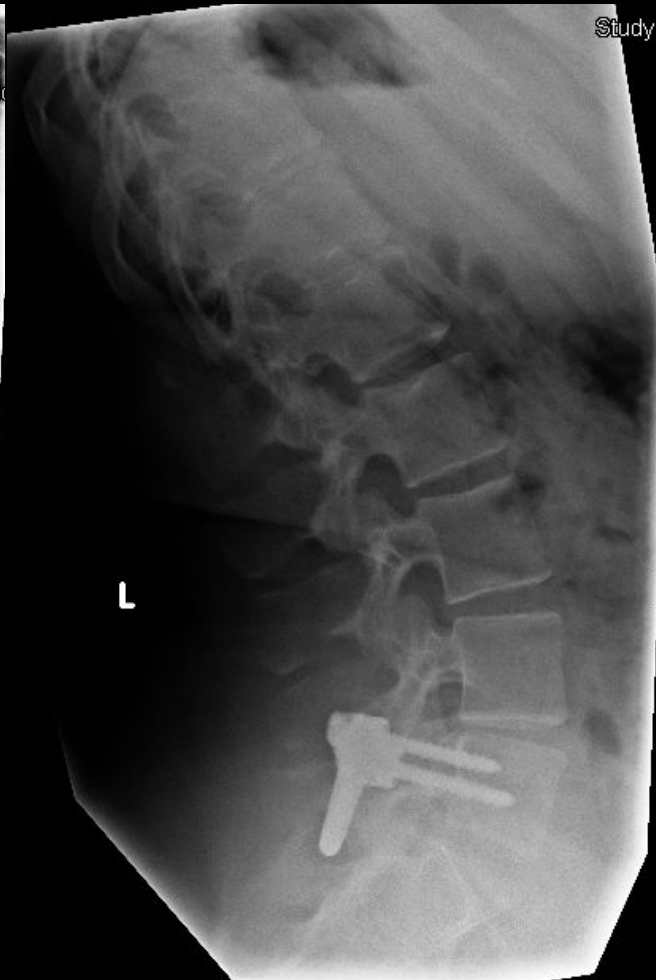
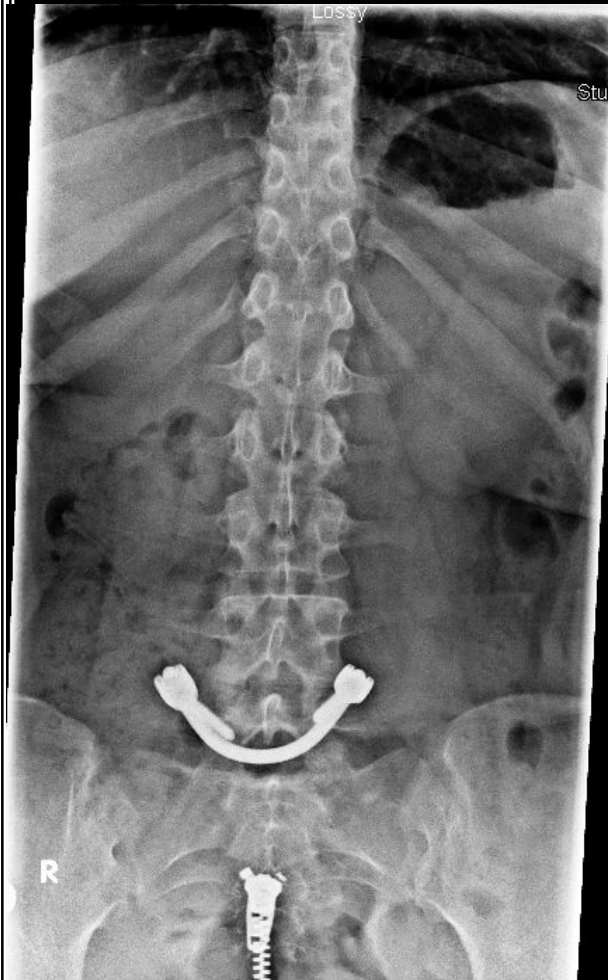
Indications for Surgery

1. L5 spondylolysis.
2. Bilateral L5 radiculopathy.

Surgical Strategy

- Microscopic bilateral L5 laminotomy and foraminotomy.
- Repair of L5 pars interarticularis fractures with local bone graft and instrumentation.

Post-op Films



The patient did well after surgery. Her symptoms were resolved, and she resumed her normal activities.