

MRI of the Lumbar Spine

CLINICAL HISTORY: 25-year-old female with low back pain and radiculopathy.

COMPARISON: Previous x-ray report 09/14/2015 in which the patient describes low back pain after being struck by a horse at age 9. No fracture or spondylolisthesis was identified. There was slight disc space narrowing at L5-S1.

TECHNIQUE: Sagittal and axial T1 and T2 weighted images and sagittal STIR images of the lumbar spine were obtained.

FINDINGS: No lumbar vertebral body fracture, infiltrative process, paravertebral mass, or spondylolisthesis. No disc extrusion, central canal, or foraminal stenosis at any level. The conus medullaris terminates at the level of L1-L2 with expected morphology and signal characteristics. No bone marrow edema is observed within the vertebral bodies or within the posterior elements on the edema-sensitive STIR images. No epidural hematoma.

The paraspinous musculature is normal.

Mild low signal throughout the marrow is within normal variation for female patient. Gentle thoracolumbar dextroscoliosis.

Intervertebral disc levels:

L1-L2 through L5-S1: Normal disc height, morphology and signal intensity without disc herniation, central canal or foraminal stenosis.

IMPRESSION (MRI OF THE LUMBAR SPINE):

1. **No fracture or spondylolisthesis.**
2. **No disc herniation, central canal or foraminal stenosis.**
3. **No radicular impingement is observed at any level.**