

MRI Lumbar Spine Report

The MRI of the lumbar spine demonstrates diffuse disc bulges with annular tears. There is evidence of left-side central and lateral reactive bone marrow signal changes suggestive of hemorrhage or inflammation. Multilevel mild right facet joint hypertrophy noted. Desiccating disc material observed between L2 and L3 levels due to endplate calcification compressing both nerve roots. A multilevel desiccated disk has been seen since initial presentation two years ago (L2 – S1). Left neural foramina are narrowed by compression from anterior herniations as well as posteriorly through ligamentum flavum thickening, most notably affecting the L2–L3 and L3–L4 levels. Feature analysis shows mainly acute lesions involving mostly anteroinferior components, predominantly associated with degenerative processes rather than significant neuroforamen encroachment. No contrast enhancement was demonstrated beyond normal lumbosacral veins. Diffuse muscle bellies appear diffusely enlarged secondary to chronically increased intraspinal pressure likely related to multiple compressed nerves within this patient's history.