

MRI Lumbar Spine Report

Both lumbar vertebral bodies show normal sized vertebral bodies and intervertebral disc spaces across all levels, with mild to moderate degenerative changes. There is mild to moderate spinal canal stenosis present at L4-L5 and severe stenosis at L5-S1 levels on both sides. Neural foraminal openings show mild to moderate degenerative narrowing predominantly in the lower lumbar regions, specifically severe at L4-L5 on both sides. There is moderate subarticular degeneration observed at L3-L4 and severe subarticular degeneration at L4-L5 on the left side, and severe degenerative changes are noted on the right side at the L4-L5 level.

Clinical summary: This spinal alignment shows moderate degenerative lumbar changes with the most notable spinal canal stenosis and foraminal narrowing at the L4-L5 level bilaterally. The subarachnoid space density appears normal throughout the lumbar spine. The severity of degenerative changes is higher on the right side, particularly at the L4-L5 level. These findings may correlate with the patient's symptoms of lower back pain and sciatica. Further evaluation and management, possibly including physical therapy or surgical consultation, may be necessary depending on symptomatology and progression.