

MRI Lumbar Spine Report

This lumbar spine series demonstrates mild to moderate degenerative changes in the intervertebral foraminal spaces and facet joints bilaterally, with the most pronounced narrowing observed at the lower lumbar levels (L3-L4 and L4-L5 transverse and sagittal dimensions).

There is no significant neural canal stenosis at any levels, with the foraminal narrowings presenting normally to mildly.

Particularly, there is moderate left neural foraminal narrowing at L2-L3, L3-L4, and L4-L5, when compared to the adjacent levels, suggesting compensatory bone growth which may be indicative of facet-mediated degenerative changes. This is less pronounced on the right side, which shows mild-to-normal foraminal narrowing.

On the adjacent segment level, moderate stenosis is noted at L4-L5 and L5-S1 on the left side, with severe degeneration noted on the right side, potentially representing compensatory degeneration.

The lumbar subarachnoid spaces are maintained with normal to mild spinal canal narrowing at all levels. There is moderate subarachnoid stenosis at L3-L4, L4-L5, and L5-S1 on the left, which coincides with the mild to moderate degenerative changes seen in the corresponding vertebral bodies. The right subarachnoid spaces are maintained with only mild changes.

In summary, this patient presents with moderate degenerative changes at the lumbar facet joints and intervertebral foraminal spaces, particularly at the lower lumbar levels (L3-L4 and L4-L5), without significant neural canal stenosis. The observed degener