



## MRI Lumbar Spine

Patient Name : Tanish Kumar

Date : 15 December 2023

Time : 4:30 PM

Hospital : Balaji Medical Hospital, Delhi

Doctor : Dr. Manoj Singh

### Report:

The patient has been experiencing chronic lower back pain radiating to the right leg for over 2 months. Pain worsens with prolonged sitting or lifting. Numbness along the posterior thigh and calf also noted. Initial physical therapy offered limited relief. MRI requested to evaluate disc pathology or nerve root compression. Multiplanar, multisequential, non-contrast MRI of the lumbosacral spine was performed.

### Impression:

- Straightening of the lumbar lordosis, likely due to muscle spasm.
- L4–L5: Broad-based posterior disc bulge causing mild compression of the thecal sac and right lateral recess narrowing with potential impingement on the exiting right L5 nerve root.
- L5–S1: Mild disc dehydration and a shallow disc protrusion, without significant canal or foraminal narrowing.
- No evidence of vertebral collapse, marrow edema, or infection.
- Spinal cord and conus medullaris appear normal.
- Facet joints show early degenerative changes, especially at L4–L5.

### Conclusion:

- MRI findings consistent with lumbar disc disease, notably at L4–L5, likely explaining right-sided sciatica.
- No surgical emergency noted, but clinical correlation advised.
- Recommend continued physiotherapy and pain management. Surgical consultation if conservative treatment fails.

