

Patient Name	: Mr. LEKH RAM	Visit No	: CHA250045842
Age/Gender	: 72 Y/M	Registration ON	: 15/Mar/2025 01:19PM
Lab No	: 10143137	Sample Collected ON	: 15/Mar/2025 01:19PM
Referred By	: Dr.RDSO LUCKNOW	Sample Received ON	:
Refer Lab/Hosp	: RDSO LUCKNOW	Report Generated ON	: 15/Mar/2025 06:25PM

MRI: LUMBO-SACRAL SPINE

IMAGING SEQUENCES (NCMR)

AXIAL: T1 & TSE T2 Wis. **SAGITTAL:** T1 & TSE T2 Wis **CORONAL:** T2

There is transitional vertebra at lumbo-sacral junction which is considered as **lumbarized** S1 vertebra with rudimentary disc at S1-2 level (counting done from C1 level downwards).

Lumbar spine is straightened with loss of usual spinal curvature. There is evidence of degenerative changes affecting lumbar spine. All the intervertebral discs are desiccated. Vertebrae are also showing degenerative changes in form of anterior osteophytosis and signal changes adjacent to end plates. L5-S1 disc height is reduced.

Compression fracture with partial collapse of L1 vertebral body is noted, showing bone marrow edema along superior end plate. Mild retropulsion of its postero-superior fractured margin is noted causing mild indentation over thecal sac (AP thecal sac diameter 9.4mm).

Diffuse disc bulge is seen at L4-5 level producing mild compromise of bilateral lateral recesses with mild extradural compression over thecal sac (AP thecal sac diameter 9.4mm).

Grade I spondylolisthesis is seen at L5-S1 level. Bilateral pars inter-articularis defect is seen in L5 vertebra. Due to listhesis pseudo disc bulge is seen at this level producing severe compromise of bilateral lateral recesses and neural foramina with moderate to severe extra-dural compression over thecal sac (AP thecal sac diameter 5.6mm).

Rest of the vertebrae and intervertebral disc are showing normal height, morphology, outline, alignment and signal intensity. No significant disc bulge/herniation or compression over thecal sac/nerve roots at any other level.

Lower dorsal spinal cord and conus medullaris are showing normal morphology, outline and signal intensity.

Rest of the facet joints and ligamentum flavum are normal.



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Pre and para vertebral soft tissues are normal.

Bilateral sacroiliac joints appear normal in the visualized sections.

Screening of rest of the spine was done which reveals degenerative changes with disc osteophyte complex at C4-5, C5-6 & C6-7 levels.

IMPRESSION

- **Degenerative changes affecting lumbar spine with grade-I spondylolisthesis at L5-S1 level and disc bulge at L4-5 level.**
- **Compression fracture with partial collapse of L1 vertebral body – post traumatic.**

Please correlate clinically.

**DR. RAVENDRA SINGH
MD**

Typed by Ranjeet

*** End Of Report ***

CHARAK

