



# LOHCHAB

**Ultrasound & Xray Centre • MRI • CT Scan • Digital Mammography**

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|        |                      |       |            |
|--------|----------------------|-------|------------|
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## MRI DORSO-LUMBAR SPINE

### OBSERVATIONS:

- Scoliotic curvature seen in lower lumbar spine with convexity to left.
- Right sided pars interarticularis defect seen at L4 and L5.
- Diffuse disc desiccation seen at L3-L4, L4-L5 and L5-S1 levels.
- Marginal osteophytes are seen at multiple levels.
- Early type 2 modic endplate changes are seen at L4 and L5 endplates.
- Vertebral bodies show normal marrow signal changes.
- The visualised cord is normal in calibre and signal intensity.
- Conus is normal in size and signal intensity.
- No extradural/intradural/ intramedullary mass lesion.
- All dorsal levels: No disc bulge seen. Bilateral neural foramina appear normal. No obvious nerve root compression. Spinal canal is normal at this level. Ligamentum flavum and bilateral facet joints appear normal.
- L1-L2 LEVEL: No disc bulge seen. Bilateral neural foramina appear normal. No obvious nerve root compression. Spinal canal is normal at this level. Ligamentum flavum and bilateral facet joints appear normal.
- L2-L3 LEVEL: No disc bulge seen. Bilateral neural foramina appear normal. No obvious nerve root compression. Spinal canal is normal at this level. Ligamentum flavum and bilateral facet joints appear normal.
- L3-L4 LEVEL: No disc bulge seen. Bilateral neural foramina appear normal. No obvious nerve root compression. Spinal canal is normal at this level. Ligamentum flavum and bilateral facet joints appear normal.
- L4-L5 LEVEL: Diffuse disc bulge with small central disc protrusion causing indentation on anterior thecal sac and narrowing of right lateral recess with encroachment on right traversing nerve roots. Spinal canal is normal at this level. Ligamentum flavum and bilateral facet joints appear normal.
- L5-S1 LEVEL: Diffuse disc bulge with right foraminal disc protrusion causing indentation on anterior thecal sac and narrowing of right neural foramen with encroachment on right exiting nerve roots. Spinal canal is normal at this level. Ligamentum flavum and bilateral facet joints appear normal.
- No pre or para vertebral soft tissue mass lesion seen.

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- Spinal canal measurements are within normal limits.
- Visualised sacro-iliac joints are normal.

The sagittal diameters of the lumbar spinal canal are as follows (in mm):

| Level: | L1-L2 | L2-L3 | L3-L4 | L4-L5 | L5-S1 |
|--------|-------|-------|-------|-------|-------|
| (mm):  | 11    | 10.8  | 11.2  | 9.8   | 10    |

#### IMPRESSION:

Lumbar spondylosis with degenerative disc disease s detailed.

- L4-L5 LEVEL: Diffuse disc bulge with small central disc protrusion causing indentation on anterior thecal sac and narrowing of right lateral recess with encroachment on right traversing nerve roots.
- L5-S1 LEVEL: Diffuse disc bulge with right foraminal disc protrusion causing indentation on anterior thecal sac and narrowing of right neural foramen with encroachment on right exiting nerve roots.

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RIGHT

