

Name	: Mrs. S.K. VANEESHWRI	Registration Date Time	: 01-Dec-2024 08:41
Age/Gender	: 052Y / Female	Study Date Time	: 01-Dec-2024 08:49
Registration ID	: 243330068725	Report Date Time	: 01-Dec-2024 13:02
Ref. By	: Dr. R KALYAN BABU	Modality	: MR
Patient Id	: 4806390	Accn No.	: 26845933

MRI LUMBO-SACRAL SPINE

PATIENT CODE: 4806390

CLINICAL HISTORY: Lower back pain

PROTOCOL

Multiplanar and multi-echo MRI of the lumbosacral spine was performed without administration of intravenous contrast.

- Axial: T2, T1
- Sagittal: T2, T1, STIR
- Coronal: STIR

FINDINGS

1. Lumbar Spine Curvature:

- Straightening of the lumbar spine curvature is noted, likely due to myospasm.

2. Vertebrae:

- Disc desiccation is noted at multiple lumbar levels.
- Marginal osteophytes are observed from L2 to L5 levels.
- Focal type 2 Modic endplate changes are noted at L2 to L4 levels.

3. Intervertebral Discs and Neural Structures:

L2-L3:

- Mild central and bilateral paramedian subligamentous disc protrusion is seen, indenting the thecal sac and narrowing bilateral lateral recesses.
- Mild indentation of bilateral exiting nerve roots is noted.

L3-L4:

- Mild central and bilateral paramedian subligamentous disc protrusion is seen, indenting the thecal sac and narrowing bilateral lateral recesses.
- Mild indentation of bilateral exiting nerve roots is noted.

L4-L5:

- Mild central and bilateral paramedian subligamentous disc protrusion is seen, indenting the thecal sac and narrowing bilateral lateral recesses.
- Moderate indentation of bilateral exiting nerve roots is noted.

L5-S1:

Mild central and bilateral paramedian subligamentous disc protrusion is seen, indenting the thecal sac and narrowing bilateral lateral recesses.

- Mild indentation of bilateral exiting nerve roots is noted.

4. Ligaments and Facet Joints:

- Mild ligamentum flavum thickening and hypertrophy of facet joints are noted, particularly at L3-L4 to L5-S1 levels, contributing to secondary canal stenosis.

5. Subcutaneous Tissues:

- Minimal lower back subcutaneous edema is noted.

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6. Sacroiliac Joints:

- The visualized sacroiliac joints appear normal.

7. Canal Diameters:

AP Canal Diameter (mm) | STATUS

- L1-L2: 13mm PATENT
- L2-L3: 11 PATENT
- L3-L4: 11 NARROWED
- L4-L5: 10.9 Mildly NARROWED
- L5-S1: 11 PATENT

IMPRESSION

- Features are suggestive of degenerative changes with lumbar spondylosis, involving multiple disc levels as described above.
- Mild secondary canal stenosis, more pronounced at L3-L4 to L5-S1 levels.

RECOMMENDATION:

Clinical correlation is suggested.



Dr Udit Kumar

MBBS, DNB

Registration Number: 89032

01st Dec 2024



Study Sharing Link: <https://tinyurl.com/4fzyh3vv>

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