

Name : **Mrs. S.K. VANEESHWRI**
Age/Gender : **052Y / Female**
Registration ID : **243330068725**
Ref. By : **Dr. R KALYAN BABU**
Patient Id : **4806390**

Registration Date Time : **01-Dec-2024 08:41**
Study Date Time : **01-Dec-2024 08:49**
Report Date Time : **01-Dec-2024 13:02**
Modality : **MR**
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

1. Features are suggestive of degenerative changes with lumbar spondylosis, involving multiple disc levels as described above.
2. 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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