



Om Imaging & Diagnostic Centre

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|---------|---------------------|---------|----------------|---|---|--------------|
| Pt Name | Mr. Vipin Kumar | Age/Sex | 28 | Y | M | No. of Films |
| Ref. By | Dr. M. C. Saini, MS | Date | March 24, 2008 | | | 4 |

MRI LUMBO-SACRAL SPINE

PROCEDURE

Using the body coil images of the L. S. spine acquired in sagittal T1 & T2 followed by transaxial T1 and T2 at the I/V disk levels. Followed by coronal and sagittal STIR images.

SEQUENTIAL IMAGES REVEAL:

(Last axial imaged disk is considered as L5-S1)

- Loss of lumbar lordosis is noted.
- Lumbar vertebrae are normal in MR signals and morphology.
- Lumbar IV disks are normal in signals and morphology.
- Various mid spinal canal AP dimensions are as follows:-

| | | | | | |
|-------|---|-------|------|---|-------|
| L1-2 | = | 17 mm | L2-3 | = | 16 mm |
| L3-4 | = | 15 mm | L4-5 | = | 13 mm |
| L5-S1 | = | 11 mm | | | |
- No obvious ligamentum flavum hypertrophy or facet arthrosis is seen.
- The imaged portions of cord and conus medullaris are normal.
- The posterior neural arches are normal.
- No obvious pre/ para vertebral or epidural collection or soft tissue mass seen.
- The para spinal musculature appears normal.
- SI joints are normal.
- Circumferential bulges of L3-4 and L5-S1 disks are noted indenting the thecal sac and causing mild to moderate pressure effect over bilateral exiting nerve roots at both levels.
- Diffuse bulge of L4-5 disk is noted indenting the thecal sac and causing moderate pressure effect over bilateral exiting nerve roots.

IMPRESSION: MR features are consistent with:-

- Loss of lumbar lordosis.
- Marginal spinal canal narrowing at L5-S1 level (11mm).
- Circumferential bulges of L3-4 and L5-S1 disks causing mild to moderate pressure effect over bilateral exiting nerve roots at both levels.
- Diffuse bulge of L4-5 disks causing moderate pressure effect over bilateral exiting nerve roots.

Please correlate clinically.


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Note : Impression is a Professional opinion & not a Diagnosis. (Not for Medico Legal Purpose). All Modern Machines / Procedures have their limitations. If there is variance clinically this examination may be repeated or reevaluated by other investigations.