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Magnetic Resonance Imaging

ID No. : **BG47425** Delivery Date: Wed, 22 02, 23 Date: Wed 22/02/23
Patient's Name : MD. SAJU Age : 36 Year(s) Sex : Male
Refd. By : Prof. Dr. Sushanta Kumar Sarkar, MBBS, MS (Neuro-Surgery)
Specimen : MRI of Lumbo-Sacral Spine

MRI OF LUMBO- SACRAL SPINE

Brief Clinical Notes: 1. Low back pain. 2. Neck pain.

Technique: A total of 4 sequences were performed consisting of T1 SE Sagittal, T2 TSE Sagittal T1 SE Axial & T2 TSE Axial.

Findings:

Lumbar lordotic curvature is straightened.

Disc spaces between L₄/L₅ & L₅/S₁ are reduced & desiccated. Other disc spaces are normal.

Diffuse disc herniation with spinal canal stenosis is noted at L₅/S₁ level. Diffuse disc herniation with thecal sac indentation is noted at L₄/L₅ level. Herniated disc with facet joint hypertrophy is noted at L₄/L₅ & L₅/S₁ levels resulting bilateral foraminal narrowing and pinching on the exiting nerve roots.

Other vertebral height is maintained & demonstrates a normal pattern of marrow signal intensity. The posterior element is normal. Conus medullaris is normal in location & appearance. No abnormality is detected in pre-vertebral or para-vertebral soft tissue.

Spinal alignment is maintained.

No fracture or vertebral body signal change is noted.

Scanogram:

Cervical Spine : Cervical lordotic curvature is straightened.

Dorsal Spine : Mild disc herniation with thecal sac indentation is noted at D₁₀/D₁₁ & D₁₁/D₁₂.

Impression: Considered as:

- Straightened lumbar lordotic curvature.
- Reduced & desiccated disc spaces between L₄/L₅ & L₅/S₁.
- Diffuse disc herniation with spinal canal stenosis at L₅/S₁ level.
- Diffuse disc herniation with thecal sac indentation at L₄/L₅ level.
- Herniated disc with facet joint hypertrophy at L₄/L₅ & L₅/S₁ levels resulting bilateral foraminal narrowing and pinching on the exiting nerve roots.

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