

Hospital Name: Union Medical Hospital
Department of Radiology
MRI Scan Report

Patient Information:

- **Name:** John Doe
- **Date of Birth:** January 15, 1985
- **Gender:** Male

Referring Physician: Dr. Emily Carter
Radiologist: Dr. Michael Green
MRI Performed On: November 22, 2024

Clinical Indication:

Chronic lower back pain and suspected lumbar disc herniation.

Procedure:

MRI of the Lumbar Spine performed using 1.5T MRI Scanner.
Sequences obtained include T1-weighted, T2-weighted, STIR, and FLAIR in sagittal, coronal, and axial planes.

Findings:

1. **L1-L2:** No significant disc bulge or spinal stenosis.
2. **L2-L3:** Normal disc height and signal intensity. No herniation observed.
3. **L3-L4:** Mild disc degeneration noted. No evidence of disc bulge or nerve root compression.
4. **L4-L5:**
 - Moderate disc bulge causing mild spinal canal narrowing.
 - No significant nerve root compression.
5. **L5-S1:**
 - Large posterior disc herniation with compression of the S1 nerve root.
 - Associated reactive endplate changes.

Additional Notes:

- No evidence of vertebral fracture or dislocation.
 - Normal alignment of the lumbar spine.
 - Paraspinal muscles appear intact.
-

Impression:

- Large posterior disc herniation at L5-S1 with compression of the S1 nerve root.
 - Mild disc degeneration at L3-L4 and L4-L5.
 - Suggest clinical correlation and possible neurosurgical consultation.
-

Report Prepared By:

Dr. Michael Green, MD

Radiologist

Date: November 27, 2024