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MRI L SPINE WO/W CONTRAST

Collected on Nov 12, 2026 8:28 AM

Results

Impression

Compared to MRI of lumbar spine September 24, 2026:

1. Multifocal osseous metastatic disease involving the lumbar spine, sacrum, and iliac bones, overall similar in distribution with decreased enhancement of several lesions. Unchanged pathologic compression deformity of L5.

2. Mild nonspecific enhancement of the L1 nerve roots, concerning for leptomeningeal disease.

3. Limited evaluation of the sacrum, though within this limitations, similar epidural extension at S1-S3 with mild thecal sac indentation.

The following findings are so common in normal, pain-free volunteers that while we report their presence, they must be interpreted with caution and in the context of the clinical situation.
Among people between the age of 40 and 60 years who do not have back pain, an MRI will find that about:
* 8 in 10 have disk degeneration
* 7 in 10 have disk signal loss (desiccation)
* 6 in 10 have disk height loss
* 6 in 10 have a bulging disk
* 3 in 10 have an annular fissure
* 3 in 10 have a disk protrusion
Note that even 3 in 10 means that the finding is quite common in people without back pain.
(AJNR 2015; 6:811-6)j

FINAL REPORT: Agree with above. Mild epidural enhancement at mid L2, mid L4, mid L5 is also unchanged from the earlier study

I have personally reviewed the images and agree with the report (or as edited).

Narrative

EXAMINATION:
MRI L SPINE WO/W CONTRAST

CLINICAL INDICATION:
Persistent symptoms

ADDITIONAL HISTORY:
Intermittent electric tingling down the posterior legs with neck flexion or extension
Metastatic breast cancer involving the T-spine with associated compression fractures; concern for progression

TECHNIQUE:
MRI Lumbar Spine without and with contrast: extramedullary tumor
Non-contrast: Sagittal T1, T2, STIR. Axial T1, T2, in-out of phase
Post-contrast: Sagittal, axial T1 fat sat.

CONTRAST:
GADOTERIDOL 279.3 MG/ML IV SOLN,5.5 mmol Intravenous,11/08/2026 1305

COMPARISON:
Lumbar spine MRI dated September 24, 2026

FINDINGS:
ALIGNMENT: Mild retrolisthesis of L4 on L5 (grade 1). Mildly decreased normal lumbar lordosis, likely positional.
MARROW:

- Heterogenous appearance of lumbar spine marrow with multiple ill-defined osseous metastatic lesions, which overall appear to be similar in distribution, with interval decrease in the extent of enhancement and some of the lesions. Index lesions includes:
-Lesion in the anterior aspect of the L3 vertebral body, measuring 0.8 x 1.4 cm (1901/54)
-Lesion in the anterior aspect of the L5 vertebral body, measuring 0.7 x 2.0 cm (1901/41)
-Lesion in the right L4 lamina, measuring 1.0 x 1.3 cm (1801/15, 1901/44)
-Partially visualized multiple lesions in the sacrum and bilateral iliac bones (1601/3)
- Similar pathologic compression deformity of the right aspect of the L5 vertebral body.

DISCS: Moderate L2-L3 and mild L5-S1 disc desiccation and disc height loss.
CORD: Mildly enhancing nerve roots of the level of L1 (1901/64). Conus ends normally at L2. Lumbar cord and cauda equina are normal.
PARAVERTEBRAL SOFT TISSUES: Unremarkable.
ENHANCEMENT: Similar extraosseous extension of the enhancing lesions, including:
- Similar epidural extension of the disease at the levels of S1, with mild indentation of the thecal sac (1801/9)
- Similar epidural extension of the disease at the level of S2 and S3, with mild indentation of the thecal sac (1501/10, 15 0 1/11)

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Reading physician: David R Haynor
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