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MRI T SPINE WO/W CONTRAST

Collected on Nov 12, 2026 9:04 AM

Results

Impression

1. Diffuse osseous metastatic disease throughout the thoracic spine, with additional metastatic involvement of the sternum. No definitively new site of metastatic disease.

2. Interval significant worsening of pathologic compression fractures of T4, T5, and T8, with approximately 30%, 60%, and 65% vertebral body height loss, respectively.

3. Mild narrowing of the thecal sac at T5 and T8 secondary to vertebral body deformity. No evidence of epidural metastatic disease or intramedullary extension.

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

Narrative

EXAMINATION:
MRI T SPINE WO/W CONTRAST

CLINICAL INDICATION:
Persistent T-spine pain

TECHNIQUE:
NEURO MRI Thoracic Spine without and with contrast: Extramedullary Tumor
Non-contrast: Sagittal T1, 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:
Cervical, thoracic, lumbar spine MRI exam dated July 7, 2026

FINDINGS:
ALIGNMENT: Mildly decreased thoracic kyphosis, centered at the level of T5 and T8.
MARROW: Similar diffuse osseous metastatic disease involving multiple vertebral bodies in the thoracic spine, resulting in pathologic fractures at the level of T4, T5, and T8, losing approximately about 30%, 60%, and 65% of the vertebral height (801/9), significantly worsened compared to prior from July 2026. Index lesions including:
-Ill-defined enhancing lesion involving the entirety of the T1 vertebral body (2001/46)
-Ill-defined enhancing lesions involving the T4 T7 T10 and T11 vertebral body extending into the lamina and spinous processes
DISCS: Mild to moderate multilevel disc desiccation and disc height loss.
CORD: Mild intubation. Thecal sac at the level of T5 and T8, without extension metastatic disease. No other intra-axial extension of the osseous metastatic disease.
PARAVERTEBRAL SOFT TISSUES: Unremarkable
OTHER: Note of enhancing osseous metastatic disease in the sternum.

Ordering provider: Avik Som
Reading physician: Nour Tahon
Study date: Nov 08, 2026 1:05 PM
Collection date: Nov 12, 2026 9:04 AM
Result date: Nov 12, 2026 2:12 PM
Result status: Final

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