

# UT Southwestern Department of Radiology

**Protocol Name:** CT Lumbar Spine with Contrast

**Orderable Name:** CT LUMBAR SPINE W IV CONTRAST

Adult Only

**Epic Button:** L-Spine With

CTDIvol < 90 mGy

**Indications:** pain, numbness, trauma, fracture, postop, neoplasm, stenosis.

**# Acquisitions:** 1

Active Protocol

<p><b>Oral Contrast:</b> None</p>	<p><b>IV Contrast:</b> <a href="#">Link to Contrast Information</a></p> <p><b>Rate (mL/sec):</b> 3</p> <p><b>Volume (mL):</b> 100</p> <p><b>IV Access:</b> Power injection: 20g or larger strongly preferred (if 22g use reduce rate to 2.5 mL/sec)</p> <p><b>Notes:</b> Saline Test Injection: 10 sec @ injection rate</p>	<p><b>Other Contrast:</b> None</p>	<p><b>Airway</b></p> <p><b>Other Notes</b> No habitus specific kVp adjustment. On Siemens machines only send the "Spine Multi" images on all non-trauma spine work. When performed with T-Spine acquire and send axial, sagittal and coronal together in each series.</p>
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Last Change: 1/24/2024

Last Review: 1/24/2024

Links:

<b>Special Instructions</b>		Do not repeat CT scan, recon soft tissue from 1st acquisition
<b>Acq # / Series Name</b>	1 Contrast	N/A Contrast
<b>Phase Timing</b>	60 seconds	N/A
<b>Acquisition Protocol</b>		<a href="#">Recon Only</a>
<b>Coverage</b>	T12-S2	Same
<b>FOV</b>	Bony spine	Same
<b>Algorithm</b>	Bone	Soft Tissue
<b>Axial Recons</b>	2 mm	2 mm
<b>Other Planar Recons</b>	2 mm coronal and sagittal	2 mm sagittal
<b>MIP Recons</b>		
<b>†DECT Philips</b>		
<b>†DECT Siemens</b>		
<b>†PC-CT Siemens</b>		

† When dual energy (DE) or photon counting (PC) CT is used

