

# UT Southwestern Department of Radiology

**Protocol Name:** CT Neck with IV Contrast - 2 Bolus Acquisition

**Orderable Name:** CT NECK SOFT TISSUE W IV CONTRAST

Adult Only

**Epic Button:** Neck Infection/Mass (2 Bolus)

CTDIvol < 80 mGy

**Indications:** Neck Swelling/Infection/Tumor, stone, fracture, vocal cord paralysis

**# 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> Test injection 20mL saline, 1st bolus 75mL, pause 60sec, 2nd bolus 25mL, &amp; 25mL saline flush</p>	<p><b>Other Contrast:</b> None</p>	<p><b>Airway</b> Inspiration, do not swallow</p> <hr/> <p><b>Other Notes</b> No habitus specific kVp adjustment.</p> <ul style="list-style-type: none"> <li>• Do 1x1 without through mandible if looking for stone.</li> <li>• Do 1x1 without in Bone algorithm to evaluate for fracture.</li> <li>• For vocal cord paralysis, coverage = floor of sella to just below aortic arch</li> <li>• Siemens Flash/Force: Use Dual Energy exam card.</li> </ul> <p>Tilt head when prominent dental hardware is visible on localizer. See linked diagram.</p>
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Last Change: 2/13/2024

Last Review: 2/15/2024

Links: [Head Tilt Instructions](#)

<b>Special Instructions</b>		Do not repeat CT scan, recon soft tissue from 1st acquisition
<b>Acq # / Series Name</b>	1 Double Bolus	N/A Double Bolus
<b>Phase Timing</b>	110 seconds	N/A
<b>Acquisition Protocol</b>		<a href="#">Recon Only</a>
<b>Coverage</b>	Floor of sella thru head of clavicles	Same
<b>FOV</b>	Whole neck (include nose)	Same
<b>Algorithm</b>	Bone	Soft Tissue
<b>Axial Recons</b>	3 mm	3 mm, volume
<b>Other Planar Recons</b>		3mm coronal and sagittal
<b>MIP Recons</b>		
<b>†DECT Philips</b>		
<b>†DECT Siemens</b>		monoE50, monoE100, IMAR: dental fillings
<b>†PC-CT Siemens</b>		monoE50, monoE100, IMAR: dental fillings

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

