

# 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

<b>Oral Contrast:</b> None	<b>IV Contrast:</b> <a href="#">Link to Contrast Information</a> <b>Rate (ml/sec):</b> 3 <b>Volume (ml):</b> 100 <b>IV Access:</b> Power injection: 20g or larger strongly preferred (if 22g use reduce rate to 2.5 mL/sec)  <b>Notes:</b> Test injection 20mL saline, 1st bolus 75mL, pause 60sec, 2nd bolus 25mL, & 25mL saline flush	<b>Other Contrast:</b> None	<b>Airway</b> Inspiration, do not swallow  <b>Other Notes</b> No habitus specific kVp adjustment. • Do 1x1 without through mandible if looking for stone. • Do 1x1 without in Bone algorithm to evaluate for fracture. • For vocal cord paralysis, coverage = floor of sella to just below aortic arch • Siemens Flash/Force: Use Dual Energy exam card. Tilt head when prominent dental hardware is visible on localizer. See linked diagram.
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Last Change: 2/13/2024

Last Review: 1/8/2025

Links: [Head Tilt Instructions](#)

<b>Special Instructions</b>		Do not repeat CT scan, recon soft tissue from 1st acquisition
<b>Acq # / Series Name</b>	<b>1</b> Double Bolus	<b>N/A</b> 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

