

# UT Southwestern Department of Radiology

**Protocol Name:** Elbow CT Arthrogram

**Orderable Name:** CT UPPER EXTREMITY LEFT W IV CONTRAST  
CT UPPER EXTREMITY RIGHT W IV CONTRAST

Adult Only

**Epic Button:** Elbow CT Arthrogram

CTDIvol < 50 mGy

**Indications:** Intra-articular body, ligament tear, osteochondral lesion

**# Acquisitions:** 1

Active Protocol

<b>Oral Contrast:</b> None	<b>IV Contrast:</b> None	<b>Other Contrast:</b> <b>UTSW:</b>  <b>Volume(mL):</b> <b>Route:</b> Intra-articular  <b>Notes:</b> Contrast will be instilled by the radiologist in the fluoroscopy suite as part of the XR arthrogram procedure	<b>Airway</b>  <b>Other Notes</b> Use Right/Left orderable based on protocol or side indicated in reason for exam.  Metal (FOV):140 KVp,align beam along metal.  Dual energy scanner required at CUH & OPB.
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Last Change: 1/13/2023

Last Review: 1/31/2024

Links: [General Statements](#) [Positioning Reference](#)

<b>Special Instructions</b>	Use 5mm cor/sag if large patient or metal in FOV.	Do not repeat CT scan, recon soft tissue from 1st acquisition, send soft tissue kernel volume to TeraRecon Use 5mm cor/sag if large patient or metal in FOV.
<b>Acq # / Series Name</b>	<b>1</b> Post intraarticular	<b>N/A</b> Post intraarticular
<b>Phase Timing</b>		N/A
<b>Acquisition Protocol</b>		Recon Only
<b>Coverage</b>	See illustration - Distal humeral shaft to just past radial tuberosity	Same
<b>FOV</b>	Center and focus on elbow	Same
<b>Algorithm</b>	Bone	Soft Tissue
<b>Axial Recons</b>	3 mm	4 mm, volume
<b>Other Planar Recons</b>	3 mm coronal and sagittal (see illustration)	4 mm coronal and sagittal (see illustration)
<b>MIP Recons</b>		
<b>†DECT Philips</b>	Gout maps (cor/sag), BM edema, SBI, VNC	
<b>†DECT Siemens</b>	Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 120, VNC	
<b>†PC-CT Siemens</b>		

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

