

UT Southwestern Department of Radiology

Protocol Name: Shoulder CT Arthrogram

Orderable Name: CT UPPER EXTREMITY LEFT W IV CONTRAST

Adult only

Protocol Epic Button: Shoulder CT Arthrogram

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

CT UPPER EXTREMITY RIGHT W IV CONTRAST

CTDIvol < 90 mGy

Acquisitions: 1-2

Active Protocol

<p>Oral Contrast: None</p>	<p>IV Contrast: None</p>	<p>Other Contrast:</p> <p>UTSW:</p> <p>Volume(mL):</p> <p>Route: Intra-articular</p> <p>Notes: Contrast will be instilled by the radiologist in the fluoroscopy suite as part of the XR arthrogram procedure</p>	<p>Airway:</p>
			<p>Other Notes: Position supine: arm by the side and in external rotation with thumb on outside. 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.</p>

Last Change: 2/10/2021

Last Review: 1/24/2022

Links:

[General Statements](#)

[Positioning Reference 1](#)

[Positioning Reference 2](#)

Special Instructions	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.	*Perform only on patients <50 years old, place in ABER position and rescan
Series Name	1 Post intraarticular	2 Post intraarticular	3 Post intraarticular
Phase Timing		N/A	
Acquisition Protocol		Recon Only	
Coverage	See illustration - Above acromioclavicular joint thru scapular tip	Same	See illustration - Above acromioclavicular joint thru scapular tip
FOV	Whole shoulder	Same	Whole shoulder
Algorithm	Bone	Soft Tissue	Bone
Primary Axial Recon	3 mm	4 mm, Volume	3mm
Other Recons	3 mm coronal and sagittal (see illustration)	4 mm coronal and sagittal (see illustration)	3 mm coronal and sagittal (see illustration)
MIP Recons			
*Dual Energy Philips	Gout maps (cor/sag), BM edema, SBI, VNC		Gout maps (cor/sag), BM edema, SBI, VNC
*Dual Energy Siemens	Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 120, VNC		Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 120, VNC

* When dual energy or spectral CT is used

