

UT Southwestern Department of Radiology

Protocol Name: Shoulder CT With IV Contrast

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

Adult Only

Epic Button: Shoulder + IV

CTDIvol < 90 mGy

Indications: Suspected infection, inflammation, tumor

Acquisitions: 1

Active Protocol

Oral Contrast: None	IV Contrast: Link to Contrast Information Rate (mL/sec): 3 Volume (mL): 75 IV Access: Power injection: 20g or larger strongly preferred (if 22g use reduce rate to 2.5 mL/sec) Notes: Place IV in opposite arm of interest	Other Contrast: None	Airway
			Other Notes *Place a marker at the site of most concern. Position: Supine, arm at side, thumb up (neutral) 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.

Last Change: 10/6/2022 Last Review: 1/24/2022 Links: [General Statements](#) [Positioning Reference](#)

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.
Acq # / Series Name	1 45 Sec Delayed	N/A 45 Sec Delayed
Phase Timing	45 seconds	N/A
Acquisition Protocol		Recon Only
Coverage	Region of interest around shoulder	Same
FOV	Whole shoulder	Same
Algorithm	Bone	Soft Tissue
Primary Axial Recon	3 mm	4 mm, Volume
Other Recons	3 mm coronal and sagittal	4 mm coronal and sagittal
MIP Recons		
*Dual Energy Philips	VNC, Gout maps (cor/sag), BM edema, SBI	
*Dual Energy Siemens	VNC, Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 120	



* When dual energy or spectral CT is used