

UT Southwestern Department of Radiology

Protocol Name: Knee CT Arthrogram

Orderable Name: CT LOWER EXTREMITY LEFT W IV CONTRAST

Adult only

Protocol Epic Button: Knee CT Arthrogram

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

CT LOWER EXTREMITY RIGHT W IV CONTRAST

CTDIvol < 50 mGy

Acquisitions: 1

Active Protocol

Oral Contrast: None	IV Contrast: None	Other Contrast: UTSW: Volume(mL): Route: Intra-articular Notes: Contrast will be instilled by the radiologist in the fluoroscopy suite as part of the XR arthrogram procedure	Airway: Other Notes: *Place a marker at the site of most concern. 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: 2/10/2021

Last Review: 1/24/2022

Links:

[General Statements](#)

[Positioning Reference](#)

Special Instructions	If metal in FOV: 140 KVp, align beam along metal 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.
Series Name	1 Post intraarticular	2 Post intraarticular
Phase Timing		N/A
Acquisition Protocol		Recon Only
Coverage	See illustration - Distal femoral metaphysis to proximal tibial metaphysis	Same
FOV	Whole knee	Same
Algorithm	Bone	Soft Tissue
Primary Axial Recon	3 mm	4 mm, volume
Other Recons	3 mm coronal and sagittal (see illustration)	4 mm coronal and sagittal (see illustration)
MIP Recons		
*Dual Energy Philips	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	

* When dual energy or spectral CT is used

