

UT Southwestern Department of Radiology

Protocol Name: Knee CT Arthrogram

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

Adult Only

Epic Button: Knee CT Arthrogram

CTDIvol < 50 mGy

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

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): Use 140 Kvp. Dual energy/Spectral scanner required. Photon counting preferred unless gout indicated.
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Last Change: 1/13/2023

Last Review: 1/31/2024

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.
Acq # / Series Name	1 Post intraarticular	N/A 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
Axial Recons	3 mm	4 mm, volume
Other Planar Recons	3 mm coronal and sagittal (see illustration)	4 mm coronal and sagittal (see illustration)
MIP Recons		
†DECT Philips	Gout maps (cor/sag), BM edema, SBI, VNC	
†DECT Siemens	Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 140, VNC	
†PC-CT Siemens		

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

