

UT Southwestern Department of Radiology

Protocol Name: CT FAI - Bilateral

Orderable Name: CT LOWER EXTREMITY RIGHT WO IV CONTRAST

Adult Only

Epic Button: CT FAI - Bilateral

CT LOWER EXTREMITY LEFT WO IV CONTRAST

CTDIvol < 50 mGy

Indications: CT evaluation for bilateral femoroacetabular impingement and/or hip dysplasia, femoral torsion

Acquisitions: 2

Active Protocol

Oral Contrast: None	IV Contrast: None	Other Contrast: None	Airway
			Other Notes Patient supine, tape toes together Scan through pelvis/hips, then scan both knees (cover femoral condyles) Use both RIGHT and LEFT orderables Dual energy/Spectral scanner required.

Last Change: 1/13/2023

Last Review: 1/29/2025

Links: [General Statements](#)

Special Instructions	Send volume to TeraRecon	Do not repeat CT scan, recon from 1st acquisition	Do not repeat CT scan, recon from 1st acquisition	Do not repeat CT scan, recon from 1st acquisition
Acq # / Series Name	1 Noncontrast	N/A Noncontrast	N/A Noncontrast	N/A Noncontrast
Phase Timing				
Acquisition Protocol		Recon Only	Recon Only	Recon Only
Coverage	Iliac crest to below lesser trochanter	Iliac crest to below lesser trochanter	Acetabular roof to below lesser trochanter	Acetabular roof to below lesser trochanter
FOV	Pelvis	Pelvis	Right Hip	Right Hip
Algorithm	Soft Tissue	Bone	Soft Tissue	Bone
Axial Recons	3 mm, Volume	3 mm, Volume	3 mm	3 mm
Other Planar Recons	3 mm coronal and sagittal	3 mm coronal and sagittal	3 mm coronal and sagittal	3 mm coronal and sagittal
MIP Recons				
†DECT Philips	Gout maps (cor/sag), BM edema, SBI			
†DECT Siemens	Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 120			
†PC-CT Siemens				

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

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Special Instructions	Do not repeat CT scan, recon from 1st acquisition	Do not repeat CT scan, recon from 1st acquisition		Do not repeat CT scan, recon from 2nd acquisition
Acq # / Series Name	N/A Noncontrast	N/A Noncontrast	2 Noncontrast	N/A Noncontrast
Phase Timing				
Acquisition Protocol	Recon Only	Recon Only		Recon Only
Coverage	Acetabular roof to below lesser trochanter	Acetabular roof to below lesser trochanter	Inferior patella to top of tibial plateau	Inferior patella to top of tibial plateau
FOV	Left Hip	Left Hip	Right Knee	Left Knee
Algorithm	Soft Tissue	Bone	Soft Tissue	Soft Tissue
Axial Recons	3 mm	3 mm	3 mm, Volume	3 mm, Volume
Other Planar Recons	3 mm coronal and sagittal	3 mm coronal and sagittal		
MIP Recons				
†DECT Philips				
†DECT Siemens				
†PC-CT Siemens				

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