

UT Southwestern Department of Radiology

Protocol Name: CT Ankle Arthroplasty
Protocol Epic Button: CT Ankle Arthroplasty

Orderable Name: CT LOWER EXTREMITY LEFT WO IV CONTRAST

Adult only

Indications: Pre surgical planning

CT LOWER EXTREMITY RIGHT WO IV CONTRAST

CTDivol <50mGy

Acquisitions: 2

Active Protocol

Oral Contrast: None	IV Contrast: None	Other Contrast: None	Airway:
			<p>Other Notes: Patient supine, foot of interest 90 degree to lower leg Keep coordinate system and FOV same for knee and ankle Scout include knee to foot in coronal and sagittal planes Choose RIGHT vs LEFT extremity orderable by affected, imaged ankle Dual energy scanner required at CUH & OPB.</p>

Last Change: 2/10/2021 Last Review: 1/24/2022 Links: [General Statements](#)

	Must perform with ankle, do not change FOV	Do not repeat CT scan, recon from 1st acquisition	Measure or calculate to get >10 cm above ankle, must include all of the foot	Do not repeat CT scan, recon from 2nd acquisition
Special Instructions				
Series Name	1 Noncontrast	2 Noncontrast	3 Noncontrast	4 Noncontrast
Phase Timing		N/A		
Acquisition Protocol		Recon Only		Recon Only
Coverage	5 cm above to 5 cm below knee joint	Same	>10 cm above ankle joint, cover heel and toes	>10 cm above ankle joint, cover heel and toes
FOV	Keep knee and ankle FOV the same	Same	Keep knee and ankle FOV the same	Keep knee and ankle FOV the same
Algorithm	Bone	Soft Tissue	Bone	Soft Tissue
Primary Axial Recon	0.625 mm, 2.5 mm	2.5 mm	0.625mm, 2.5 mm	2.5 mm
Other Recons	2.5 mm coronal and sagittal	2.5 mm coronal and sagittal	2.5 mm coronal and sagittal	2.5 mm coronal and sagittal
MIP Recons				
*Dual Energy Philips	Gout maps (cor/sag), BM edema, SBI		Gout maps (cor/sag), BM edema, SBI	
*Dual Energy Siemens	Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 120		Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 120	

* When dual energy or spectral CT is used