

UT Southwestern Department of Radiology

Protocol Name: CT Leg Complete

Orderable Name: CT LOWER EXTREMITY LEFT WO IV CONTRAST

Adult only

Protocol Epic Button: Leg Complete

CTDIvol < 60 mGy

Indications: Trauma

CT LOWER EXTREMITY RIGHT WO IV CONTRAST

Active Protocol

Acquisitions: 1

Oral Contrast: None	IV Contrast: None	Other Contrast: None	Airway:
			Other Notes: Metal (FOV):140 KVp,align beam along metal. Dual energy scanner required at CUH & OPB.

Last Change: 2/10/2021

Last Review: 1/24/2022

Links:

[General Statements](#)

	Special Instructions 1 scan for whole leg but break into series, adjust series FOV when going from the upper to the lower leg. 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 kernal volume to TeraRecon Use 5mm cor/sag if large patient or metal in FOV.	1 scan for whole leg but break into series, adjust series FOV when going from the upper to the lower leg. 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 kernal volume to TeraRecon Use 5mm cor/sag if large patient or metal in FOV.
Series Name	1 Noncontrast	2 Noncontrast	3 Noncontrast	4 Noncontrast
Phase Timing				
Acquisition Protocol		Recon Only		Recon Only
Coverage	Above acetabulum thru knee	Above acetabulum thru knee	Above knee thru toes	Above knee thru toes
FOV	Focused to size of upper leg	Focused to size of upper leg	Focused to size of lower leg	Focused to size of lower leg
Algorithm	Bone	Soft Tissue	Bone	Soft Tissue
Primary Axial Recon	3 mm	4 mm, volume	3 mm	4 mm, Volume
Other Recons	3 mm coronal and sagittal	4 mm coronal and sagittal	3 mm coronal and sagittal	4 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