

UT Southwestern Department of Radiology

Protocol Name: CT Leg Complete + IV

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

Adult Only

Epic Button: Leg Complete + IV

CTDIvol < 50 mGy

Indications: Suspected infection, inflammation, tumor

Acquisitions: 1

Active Protocol

<p>Oral Contrast: None</p>	<p>IV Contrast: Rate (mL/sec): 3 Volume (mL): 75 IV Access: Power injection: 20g or larger strongly preferred (if 22g use) Notes:</p>	<p>Other Contrast: None</p>	<p>Airway</p>
			<p>Other Notes Metal (FOV):140 KVp,align beam along metal. Dual energy scanner required at CUH & OPB.</p>

Last Change: 10/6/2022

Last Review: 1/24/2022

Links: [General Statements](#)

	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.
Special Instructions				
Acq # / Series Name	1 60 Sec Delayed	N/A 60 Sec Delayed	1 60 Sec Delayed	N/A 60 Sec Delayed
Phase Timing	60 seconds	60 seconds	60 seconds	60 seconds
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	VNC, Gout maps (cor/sag), BM edema, SBI		VNC, Gout maps (cor/sag), BM edema, SBI	
*Dual Energy Siemens	VNC, Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 120		VNC, Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 120	

* When dual energy or spectral CT is used