

# UT Southwestern Department of Radiology

**Protocol Name: CT Leg Complete**

**Orderable Name:** CT LOWER EXTREMITY LEFT WO IV CONTRAST  
CT LOWER EXTREMITY RIGHT WO IV CONTRAST

Adult Only

**Epic Button: Leg Complete**

CTDIvol < 50 mGy

**Indications:** Trauma

**# Acquisitions: 1**

Active Protocol

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

Last Change: 1/13/2023

Last Review: 1/31/2024

Links: [General Statements](#)

<b>Special Instructions</b>	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.
<b>Acq # / Series Name</b>	<b>1</b> Noncontrast	<b>N/A</b> Noncontrast	<b>1</b> Noncontrast	<b>N/A</b> Noncontrast
<b>Phase Timing</b>				
<b>Acquisition Protocol</b>		Recon Only		Recon Only
<b>Coverage</b>	Above acetabulum thru knee	Above acetabulum thru knee	Above knee thru toes	Above knee thru toes
<b>FOV</b>	Focused to size of upper leg	Focused to size of upper leg	Focused to size of lower leg	Focused to size of lower leg
<b>Algorithm</b>	Bone	Soft Tissue	Bone	Soft Tissue
<b>Axial Recons</b>	3 mm	4 mm, volume	3 mm	4 mm, Volume
<b>Other Planar Recons</b>	3 mm coronal and sagittal	4 mm coronal and sagittal	3 mm coronal and sagittal	4 mm coronal and sagittal
<b>MIP Recons</b>				
<b>†DECT Philips</b>	Gout maps (cor/sag), BM edema, SBI		Gout maps (cor/sag), BM edema, SBI	
<b>†DECT Siemens</b>	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	
<b>†PC-CT Siemens</b>				

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