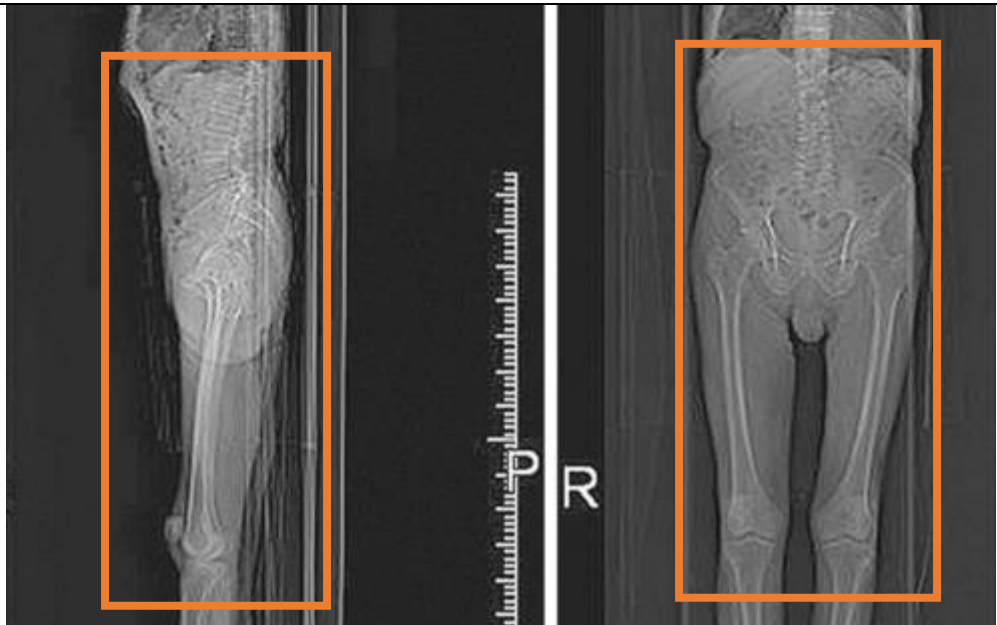


CTA Phalloplasty

Position/Landmark	Feet first, supine. Center on Xiphoid Process (Lower sternum)
Scout	
Scan coverage	Diaphragm to below Tibial Plateau
Respiratory Phase	Inspiratory
Scan Type	CTA
IV access	20G or 18G, Antecubital
IV contrast	125mL OMNI 350 @ 4.0 or 5.0mL/sec
Contrast Delay	Bolus Tracked: Trigger Scan from HU. - Each scanner has a different HU trigger.
PO Prep	None
Reason For Exam	used to evaluate level of takeoff of lateral femoral circumflex arteries for plastic surgery reconstructions not limited to phalloplasty alone

Scan Settings – CTA Phalloplasty (Same for each Phase unless noted otherwise)

	Siemens SOMATOM Force	Philips iCT/Ingenuity (not on scanner)	Canon Aquilion ONE Vision
kV Setting:	CAREkV Ref kV= 120 (arterial 110)	120	120
mA/mAs/TCM Setting:	CAREDose4D QRM = 147	DoseRight	SureExposure3D (SD=12.5)

	(arterial 90), Dose Slider Setting at 3 for non con, 9 for arterial phase	DRI = 16, Liver DRI Boost +3 for non con abd/pelv and arterial phase	
Iterative Reconstruction Setting:	Admire Strength 3	iDose 3	AIDR 3D Standard

Scan and Recon Instructions - CTA Phalloplasty	
1.	Position patient supine, feet first and arms above head. Scout Diaphragm to below Tibial Plateau.
2.	Scan Without Contrast Diaphragm to below Tibial Plateau. - Axial 5mm x 2.5mm
3.	Place bolus tracker above Iliac Bifurcation
4.	Scan CTA With Contrast Diaphragm to below Tibial Plateau. - Axial Arterial 2mm x 1mm - Coronal MIP 5mm x 2.5mm - Sagittal MIP 5mm x 2.5mm