

DIEP (Deep Inferior Epigastric Artery Perforator)

Position/Landmark	Feet first supine
Scout	Diaphragm (above the dome of the liver) to Lesser Trochanters Scan bottom up after 25 second bolus tracker delay 
Scan coverage	Diaphragm to pubis
Respiratory Phase	Inspiratory
Scan Type	Helical
IV access	18g or 20g, Antecubital
IV Contrast	100mL OMNI 350 @ 4.0mL/sec or 5.0mL/sec Bolus Tracked: Trigger Scan from HU. - Each scanner has a different HU trigger. - 25 second delay after bolus tracker is triggered.
Reason For Exam	Map and characterize the deep inferior epigastric artery perforators to guide optimal planning of a DIEP flap

Scan Settings – CT DIEP

	Siemens SOMATOM Force	Philips iCT/Ingenuity
kV Setting:	CAREkV Ref kV= 120	120
mA/mAs/TCM Setting:	CAREdose4D QRM = 147, Dose Slider Setting at 7	DoseRight DRI = 16, Liver DRI Boost +3
Iterative Reconstruction Setting:	Admirer Strength 3	iDose 3

Scan and Recon Instructions - CT DIEP (Deep Inferior Epigastric Artery Perforator)	
1.	Scout Diaphragm to Pubis.
2.	Locator/tracker just above the Bifurcation in Descending Aorta.
3.	Scan will bolus track and start 25 seconds after trigger HU (post threshold 150hu)
4.	Scan Abdomen Pelvis bottom up (pubis up to diaphragm) - Axial 2mm x 1mm (soft tissue) - Coronal 12mm x 6mm MIP skin to skin (soft tissue) - Sagittal 12mm x 6mm MIP skin to skin (soft tissue) - Coronal 5mm x 2.5mm skin to skin (soft tissue) - Sagittal 5mm x 2.5mm skin to skin (soft tissue)