

CAP Hypervascular

Siemens Flash

Application Examples: HCC, melanoma

Oral Contrast	Yes
IV Contrast / Volume	Omnipaque 350 / P3T
Injection Rate	Medrad P3T

Technical Factors

Arterial – Venous	
Detector Collimator	Acq 128 x 0.6 mm
Care kV	On / 120 kV
Care Dose 4D	On / 150 mAs
Rotation Time (seconds)	0.5
Pitch	0.6
Typical CTDIvol	10.14 mGy ± 50%

Arterial Phase	
Care Bolus ROI Location / HU	Aorta / 150
Monitoring Delay	20 seconds
Cycle Time	1.5 seconds
Scan Delay	10 seconds
Breath Hold	Inspiration
Typical CTDIvol	10.14 mGy ± 50%

Portal Venous	
Scan Delay	Adjust to equal 65 seconds
Breath Hold	Inspiration
Typical CTDIvol	10.14 mGy ± 50%

Topogram: Lateral & AP, 768 mm

Late Arterial	Recon Type	W/I	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	5 x 5	I41f	2	Abdomen	AXIAL ARTERIAL	PACS	None
Recon 2	Axial	2 x 2	I70f	2	Lung	AXIAL LUNG	PACS	None
Recon 3	3D:COR	3 x 3	I30f	2	Angio	COR MIP	PACS	Coronal MIP
Recon 4	3D:SAG	3 x 3	I30f	2	Angio	SAG MIP	PACS	Sagittal MIP
Recon 5	3D: AXIAL	8 x 5	I40f	2	Lung	AXIAL MIP	PACS	Axial MIP
Recon 6	Axial	0.6 x 0.6	I26f	2	Angio	AXIAL ARTERIAL 0.6 STND	TR & PACS	None
Recon 7	Axial	1.0 x 0.8	I31f	2	Mediastinum	AXIAL 1.0 X 0.8 STND	TeraRecon	None

Venous	Recon Type	Width / Inc	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	5 x 5	I41f	2	Abdomen	AXIAL VENOUS	PACS	None
Recon 2	3D:COR	3 x 3	I41f	2	Abdomen	COR	PACS	Coronal MPR
Recon 3	3D:SAG	3 x 3	I41f	2	Abdomen	SAG	PACS	Sagittal MPR
Recon 4	Axial	0.6 x 0.6	I31f	2	Abdomen	AXIAL VENOUS 0.6 STND	TeraRecon	None

Scan Range: Adjust late arterial phase to include apices through ischial tuberosities. Adjust venous phase to include liver and kidneys.

Recons and Reformations: Adjust FoV to fit body contour.