

CAP Hypervascular

Siemens 16 Slice

Application Examples: evaluate liver, HCC, melanoma

Oral Contrast	Yes
IV Contrast / Volume	125 ml Omnipaque 350
Injection Rate	4 ml /sec.

Technical Factors

Care Bolus ROI Location / HU	Abdominal Aorta / 100
Monitoring Delay	10 sec.
Cycle Time	1.5 sec
Scan Delay	10 sec.
Breath Hold	Inspiration

Scan Type	Spiral
Detector Collimator	Acq 16 x 1.2
kV / mAs / Rotation Time (seconds)	130 kV / 155 mAs / 0.6
Care Dose 4D	On
Pitch	0.8
Typical CTDIvol	17.26 mGy

Topogram: AP, 768 mm

Arterial	Width / Increment	Kernel	Window	Series Description	Networking
Recon 1	5 x 5	B30s	Abdomen	AXIAL ARTERIAL	PACS
Recon 2	1.5 x 0.7	B30s	CT Angio	AXIAL ARTERIAL 1.5 x 0.7 STND	MIP Thin/PACS/TeraRecon

Venous	Width / Increment	Kernel	Window	Series Description	Networking
Recon 1	5 x 5	B30s	Mediastinum	AXIAL VENOUS	PACS
Recon 2	3 x 3	B70s	Lung	AXIAL LUNG	PACS
Recon 3	1.5 x 0.7	B30s	Mediastinum	AXIAL 1.5 x 0.7 STND	MPR/TeraRecon

This protocol is used to evaluate the liver. Arterial and portal venous phases are included.

Patient Position: Patient lying supine with arms above head and lower legs supported.

Scan Range: Entire liver on arterial phase. Lung apices through iliac crests or ischial tuberosities, as per order.

Reformations: Adjust FoV to fit body contour.

Series: Arterial	Reformat Type	Width / Increment	Window	Series Description	Networking
Recon 2	Coronal MIP	3 x 3	CT Angio	COR MIP	PACS
Recon 2	Sagittal MIP	3 x 3	CT Angio	SAG MIP	PACS

Series: Venous	Reformat Type	Width / Increment	Window	Series Description	Networking
Recon 3	Coronal MPR	3 x 3	Mediastinum	COR	PACS
Recon 3	Sagittal MPR	3 x 3	Mediastinum	SAG	PACS
Recon 3	Axial MIP	8 x 5	Lung	AXIAL MIP	PACS