

Abdomen Hypervascular

Siemens 16 Slice

Application Examples:	
Oral Contrast	Yes
IV Contrast / Volume	125 ml Omnipaque 350
Injection Rate	4.0 ml/sec

Technical Factors

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

Arterial Phase	
Care Bolus ROI Location / HU	Abdominal Aorta / 100
Monitoring Delay	10 seconds
Cycle Time	1.5 seconds
Scan Delay	10 seconds
Breath Hold	Inspiration

Portal Venous Phase	
Scan Delay	*Adjust to scan at approximately 65 seconds
Breath Hold	Inspiration

Topogram: AP, 512 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	Abdomen	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	Abdomen	AXIAL VENOUS	PACS
Recon 2	1.5 x 0.7	B30s	Abdomen	AXIAL VENOUS 1.5 x 0.7 STND	MPR / TeraRecon

This protocol is used to evaluate the liver.

Patient Position: Patient lying supine with arms above head.

Scan Range: Scan liver and kidneys in arterial phase then scan above diaphragm to IC or ischial tuberosities per order on venous phase.

Recons: Adjust FoV to fit body contour.

Reformations: Post processing done in 3D card.

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 2	Coronal MPR	3 x 3	Abdomen	COR	PACS
Recon 2	Sagittal MPR	3 x 3	Abdomen	SAG	PACS