Abdomen Liver   Siemens 16 Slice

Application Examples: evaluate liver hemangioma, tumor	

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

Technical Factors

Unenhanced - Arterial – Venous - Delayed	
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± 50%

Arterial Phase	
Care Bolus ROI Location / HU	Abdominal Aorta / 100
Monitoring Delay	20 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

Delayed	
Scan Delay	300 seconds (5 minutes)
Breath Hold	Inspiration

Topogram: LATERAL,AP, 512 mm

Unenhanced	Width / Increment	Kernel	Window	Series Description	Networking
Recon 1	5 x 5	B30s	Abdomen	AXIAL WITHOUT	PACS

Arterial	Width / Increment	Kernel	Window	Series Description	Networking
Recon 1	3 x 3	B30s	Abdomen	AXIAL ARTERIAL	PACS
Recon 2	1.5 x 0.7	B30s	Abdomen	AXIAL ARTERIAL 1.5 x 0.7 STND	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

Delay	Width / Increment	Kernel	Window	Series Description	Networking
Recon 1	5 x 5	B30s	Abdomen	AXIAL DELAYED	PACS

This protocol is used to evaluate the liver. All four phases are built in this protocol. Delete phases that are not needed.

Patient Position: Patient lying supine with arms above head.

Scan Range: Scan from just above diaphragm to IC or ischial tuberosities per order on venous phase. All other phases include liver or requested area of interest only.

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