

CAP Liver

Siemens 16 Slice

Application Examples: evaluate liver for hemangioma or tumor

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

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	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

Delayed	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 (unenhanced, arterial, portal venous and delayed) are built in this protocol. Delete phases that are not needed.

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

Scan Range: Lung apices through SP.

Scan Instructions: Adjust PV phase to include pelvis, if requested. All other phases include liver or requested area of interest only.

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