

CAP Liver

Siemens go.All

Application Examples: evaluate chest, liver: hemangioma, tumor, etc.

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

Technical Factors

Unenhanced -Arterial – Venous – Delayed	
Detector Collimator	Acq 32 X 0.7 mm
Care kV	On / 120 kV
Care Dose 4D	On / 110 mAs
Rotation Time (seconds)	0.5
Pitch	0.6
Typical CTDIvol	10.34 mGy ± 50%

Arterial Phase	
Care Bolus ROI Location / HU	Abdominal Aorta / 150
Monitoring Delay	20 seconds
Cycle Time	1 second
Scan Delay	6 seconds
Breath Hold	Inspiration

PV Phase	
Scan Delay	Adjust to equal 65 seconds
Breath Hold	Inspiration

Delayed	
Scan Delay	300 seconds
Breath Hold	Inspiration

Topogram: Lateral & AP, 768 mm

Unenhanced	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	5 x 5	Br40	2	Abdomen	AXIAL WITHOUT	PACS	None

Arterial	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	5 x 5	Br40	2	Abdomen	AXIAL ARTERIAL	PACS	None
Recon 2	3D:COR	3 x 3	Br36	2	Angio	COR	PACS	Coronal MPR
Recon 3	3D:SAG	3 x 3	Br36	2	Angio	SAG	PACS	Sagittal MPR
Recon 4	Axial	0.6 x 0.6	Br36	2	Angio	AXIAL ARTERIAL 0.6 STND	TR & PACS	None

Venous	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	5 x 5	Br40	2	Abdomen	AXIAL VENOUS	PACS	None
Recon 2	Axial	2 x 2	Br64	2	Lung	AXIAL LUNG	PACS	None
Recon 3	3D:COR	3 x 3	Br40	2	Abdomen	COR VENOUS	PACS	Coronal MPR
Recon 4	3D:SAG	3 x 3	Br40	2	Abdomen	SAG VENOUS	PACS	Sagittal MPR
Recon 5	3D:AXIAL	8 x 5	Br40	2	Lung	AXIAL MIP	PACS	Axial MIP
Recon 6	Axial	1.0 x 0.8	Br36	2	Mediastinum	AXIAL 1.0 x 0.8 STND	TeraRecon	None
Recon 7	Axial	0.6 x 0.6	Br40	3	Abdomen	AXIAL VENOUS 0.6 STND	TeraRecon	None
Recon 8	Lung CAD	1.0 x 0.7	Br60	2	Lung	LUNG CAD	PACS	None

Delayed	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	5 x 5	Br40	2	Abdomen	AXIAL DELAYED	PACS	None

Gundersen Health System

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

Scan Instructions: All phases include liver. PV phase includes entire chest abdomen and pelvis.

Recons and Reformations: Adjust FoV to fit body contour.