

**CAP Liver**

Siemens Flash

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 128x 0.6 mm
Care kV	On / 120 kV
Care Dose 4D	On / 150 mAs
Rotation Time (seconds)	0.5
Pitch	0.6
Typical CT DIvol	10.14 mGy ± 50%

Arterial Phase	
Care Bolus ROI Location / HU	Abdominal Aorta / 150
Monitoring Delay	20 seconds
Cycle Time	1.5 seconds
Scan Delay	<b>10 seconds</b>
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 &amp; AP, 768 mm

Unenhanced	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	5 x 5	I41f	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	I41f	2	Abdomen	AXIAL ARTERIAL	PACS	None
Recon 2	3D:COR	3 x 3	I30f	2	Angio	COR MIP	PACS	Coronal MIP
Recon 3	3D:SAG	3 x 3	I30f	2	Angio	SAG MIP	PACS	Sagittal MIP
Recon4	Axial	0.6 x 0.6	I26f	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	I41f	2	Abdomen	AXIAL VENOUS	PACS	None
Recon 2	Axial	2 x 2	I70f	2	Lung	AXIAL LUNG	PACS	None
Recon 3	3D:COR	3 x 3	I41f	2	Abdomen	COR VENOUS	PACS	Coronal MPR
Recon 4	3D:SAG	3 x 3	I41f	2	Abdomen	SAG VENOUS	PACS	Sagittal MPR
Recon 5	3D:AXIAL	8 x 5	I40f	2	Lung	AXIAL MIP	PACS	Axial MIP
Recon 6	Axial	1.0 x 0.8	I41f	2	Mediastinum	AXIAL 1.0 x 0.8 STND	TeraRecon	None
Recon 7	Axial	0.6 x 0.6	I31f	3	Abdomen	AXIAL VENOUS 0.6 STND	TeraRecon	None

Delayed	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	5 x 5	I41f	2	Abdomen	AXIAL DELAYED	PACS	None

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.