

CAP Pancreas

Siemens 16 Slice

Application Examples: pancreatic tumor	
Oral Contrast	Yes-Routine Omnipaque oral contrast
IV Contrast / Volume	125 ml Omnipaque 350
Injection Rate	3 ml / sec

Technical Factors

Care Bolus ROI Location / HU	N/A
Monitoring Delay	N/A
Cycle Time	N/A
Scan Delay	40 seconds
Breath Hold	Inspiration

Scan Type	Spiral
Detector Collimator	Acq 16 x 0.6 mm
kV / mAs / Rotation Time (seconds)	130 kV / 155 mAs / 0.6
Care Dose 4D	On
Pitch	0.8
Typical CTDIvol	19.26 mGy± 50%

Topogram: AP, 768 mm

Pancreas	Width / Increment	Kernel	Window	Series Description	Networking
Recon 1	3 x 1.5	B30s	Abdomen	PANCREAS AXIAL	PACS
Recon 2	1.0 x 0.5	B20s	CT Angio	AXIAL 1.0 x 0.5 SMOOTH	PACS/TeraRecon

CAP	Width / Increment	Kernel	Window	Series Description	Networking
Recon 1	5 x 5	B30s	Mediastinum	AXIAL	PACS
Recon 2	2 x 2	B70s	Lung	AXIAL LUNG	PACS
Recon 3	1.5 x 0.7	B30s	Mediastinum	AXIAL 1.5 X 0.7 STND	MPR/TeraRecon

This protocol is used for evaluating pancreatic masses.

Patient Position: Patient lying supine with arms above head.

Scan Instructions: First, scan pancreas using a 40 second scan delay which will image the pancreas in a late arterial phase. The pancreas is located between mid T12 and bottom of L3. Then, scan entire CAP in portal venous phase at approximately 65 seconds from the start of injection—adjust series 2 scan delay accordingly.

Scan Range: Series 1— pancreas only. Series 2— CAP.

Recons: Adjust FoV to fit body contour.

Reformations: Coronal & sagittal MPRs from PV phase. Axial MIP of lungs only.

Series: CAP	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

3D: Upon request, CPR views—see post processing protocol.