

Abdomen Pancreas

Siemens 16 Slice

Application Examples: pancreatic tumor or mass

Oral Contrast	ABD (upper abdomen) :1 Glass WATER Just Before Scan
IV Contrast / Volume	CAP or AP : Omnipaque Oral contrast drink as normal for 45 minutes.
Injection Rate	120 ml Omnipaque 350
	3.0 ml/sec

Technical Factors

Pancreas	
Scan Type	Spiral
Detector Collimator	Acq 16 x 0.6 mm
kV / mAs / Rotation Time	130 kV / 155mAs / 0.6 seconds
Care Dose 4D	On
Pitch	0.8
Scan Delay	40 seconds
Breath Hold	Inspiration
Typical CTDIvol	19.26 mGy± 50%

Abdomen	
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
Scan Delay	*Adjust to approximately scan at 65 seconds
Breath Hold	Inspiration
Typical CTDIvol	17.26 mGy± 50%

Topogram: LATERAL,AP, 512 mm This protocol is used for evaluating pancreatic masses.

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	Abdomen	AXIAL 1.0 x 0.5 SMOOTH	PACS / TeraRecon

Abdomen	Width / Increment	Kernel	Window	Series Description	Networking
Recon 1	5 x 5	B30s	Abdomen	AXIAL	PACS
Recon 2	1.5 x 0.7	B20s	Abdomen	AXIAL 1.5 x 0.7 SMOOTH	MPR / TeraRecon

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 abdomen in venous phase, at approximately 65 seconds from the start of injection. To check if appropriate venous scan delay, add monitoring delay + arterial scan delay + arterial scan time + venous delay = approximately 65 seconds. Adjust PV scan delay if needed.

Scan Range: Series 1—scan pancreas only.
Series 2—scan above diaphragm to IC or through ischial tuberosities as per order.

Recons: Adjust FoV to fit body contour.

2D Reformations: Post Processing done in 3D card.

Series: Pancreas	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: Abdomen	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

3D: Upon request.