

GE- 6010

Indication: Pancreas mass, chronic pancreatitis, obstructive jaundice

PT Prep: 475 ml of water immediately before getting on the table
IV contrast – Yes (follow IV contrast administration guidelines)
20g to 18 g peripheral IV needed for contrast administration

➤	Islet Cell Tumors	
	Gastrinoma	ACTH tumor
	VIPoma	Glucagonoma
	Insulinoma	Adenocarcinoma
➤	Somatostatinoma	
	Carcinoid	Insulinoma

Series 1: Scouts AP & LAT – Supine “O” at Xiphoid Process S60 to I500

Series 2: **Unenhanced** – Scan from Diaphragm to mid kidneys – utilized to localize pancreas

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 30%
Noise Level	18.23	16.40	16.40	16.40
Interval	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Axial/Helical Thickness	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Pitch	0.984:1	1.375:1	0.984:1	0.984:1
Speed mm/rotation	39.37	55	39.37	39.37
Detector Rows				
Detector Configuration				
Beam Collimation	40mm	40 mm	40 mm	40mm
Kv/mA	Auto mA — if large pt. use manual & maximize mA	Auto mA — if large pt. use manual & maximize mA	Auto mA — if large pt. use manual & maximize mA	Auto mA — if large pt. use manual & maximize mA
Scan Type	Helical Full 0.8 sec	Helical Full 0.7 sec	Helical Full 0.8 sec	Helical Full 0.8 sec

CT Pancreas

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Maximum CTDI___75_

Series 3: **Arterial Phase** –100 cc of IV contrast @ 3cc/sec (Contrast dose may be adjusted based on CrCl).
Delay: 35 seconds – Scan through pancreas (use dry images to localize)

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 30%
Noise Level	18.23	15.86	11.21	15.86
Interval	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Axial/Helical Thickness	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Pitch	0.984:1	0.984:1	0.984:1	0.984:1
Speed mm/rotation	39.37	39.37	39.37	39.37
Detector Rows				
Detector Configuration				
Beam Collimation	40 mm	40 mm	40 mm	40 mm
Kv/mA	Auto mA — if large pt. use manual & maximize mA	Auto mA — if large pt. use manual & maximize mA	Auto mA — if large pt. use manual & maximize mA	Auto mA — if large pt. use manual & maximize mA
Scan Type	Helical Full 0.8 sec	Helical Full 0.8sec	Helical Full 0.8 sec	Helical Full 0.8 sec

Series 4: **Portal Venous Phase**
Delay: 70 seconds – Scan from diaphragm to iliac crest

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 30%
Noise Level	18.23	15.86	15.86	15.86
Interval	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Axial/Helical Thickness	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Pitch	0.984:1	0.984:1	0.984:1	0.984:1
Speed mm/rotation	39.37	39.37	39.37	39.37
Detector Rows				
Detector Configuration				
Beam Collimation	40 mm	40 mm	40 mm	40 mm
Kv/mA	Auto mA — if large pt. use manual & maximize mA	Auto mA — if large pt. use manual & maximize mA	Auto mA — if large pt. use manual & maximize mA	Auto mA — if large pt. use manual & maximize mA
Scan Type	Helical Full 0.8sec	Helical Full 0.8 sec	Helical Full 0.8 sec	Helical Full 0.8 sec

Networking/ PACs: Send scouts
Send series 2,3,4 Standard Soft Tissue Algorithm
Recon and Venous phase series in Bone Algorithm
Send MPR's all series Soft Tissue Algorithm
Record DLP in PACS comments

Original Date: 4-8-04

Approved by: Dr. Rehfuss , MCR _____

Revised Date: 11-9-04, 1-11-10 12/8/10, 11/14/12 12/15/15 2/28/18

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