Pancreas 3 phase 64 Toshiba

Indications	For acute pancreatitis, pancreatic mass, pancreatic mass ordered by GI or other subspecialist			
Diagnostic Task	Detect masses, abscess			
Scan mode	Helical			
Position/Landmark	Head or feet first-Supine			
Topogram	AP mA50 kV120 /Lat mA 70 kV120			
kVp/Reference mass	120kV average pt 135kV XL pt- Sure Exp 3D(120-550)			
Rotation time/pitch	0.5\0.828			
Detector Configuration	64x0.5			
Table Speed/Increment	26.5			
Dose reduction	Sure Exp 3D			
Allowed CTDI ranges*	7mGy-50mGy			
XR29 Dose Notification value	50mGy			
Helical Set #1		body	thickness	recon
non con	recon	part	spacing	algorithm	destination
	1	abdomen	2mmx 2mm	standard	pacs
Helical Set #2		body	thickness	recon
40 sec delay	recon	part	spacing	algorithm	destination
	1	abdomen	2mmx 2mm	standard	pacs
	2	sag abdomen	2mmx2mm	standard	pacs
	3	coronal abdomen	2mmx2mm	standard	pacs
Helical Set #2		body	thickness	recon
70 sec delay	recon	part	spacing	algorithm	destination
	1	abdomen	2mmx 2mm	standard	pacs
	2	sag abdomen	2mmx2mm	standard	pacs
	3	coronal abdomen	2mmx2mm	standard	pacs
Scan start/end location	1cm superior to diaphragm			
for both helical sets	iliac crest			
IV contrast volume/rate	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 4cc/sec			
Scan delay	Performed as directed by a supervising radiologist			
	non-con/40sec-arterial/ 70sec-venous			

Approximate Values for CTDIvol

Patient size	weight(kg)	weight(lbs)	CTDIvol(mGy)
SMALL	50-70	110-155	10-17
AVERAGE	70-90	155-200	15-25
LARGE	90-120	200-265	22-35

NOTE*

*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.

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Approved by Dr Ellermeier/Mollard