

Pancreas 3 phase +Pelvis 16 Sensation

Indications	For acute pancreatitis, pancreatic mass, pancreatic mass ordered by GI or other subspecialist
Diagnostic Task	Detect masses, abscess
Scan mode	Helical
Position/Landmark	2cm superior to xiphoid/Inspiration
Topogram	AP 120kV 50mA
kVp/Reference mass	120kv 160mas/100kv if pt under 140lbs
Rotation time/pitch	0.5/0.75
Detector Configuration	16x0.75
Table Speed/Increment	9
Dose reduction	CareDose 4D
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy
Helical Set #1	body thickness recon
non con	recon part spacing kernel window destination
	1 abd 2mmx 2mm 31medium smooth mediastinum pacs
Helical Set #2	body thickness recon
40 sec delay	recon part spacing kernel window destination
	1 abd 2mmx 2mm 31medium smooth mediastinum pacs
	2 thin abd/pelvis 1mmx.8mm 31medium smooth mediastinum for mpr
	2x2 coronal and sag abd reformats from helical set #2, recon 2
Helical Set #3	body thickness recon
70 sec delay	recon part spacing kernel window destination
	1 abd/pelvis 2mmx 2mm 31medium smooth mediastinum pacs
	2x2 coronal and sag abd reformats from helical set #3, recon 2
Scan start all sets	1cm superior to diaphragm
end location	NC-40sec iliac crest// 70sec through lesser trochanters
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
	WITH WATER PREP AND IV CONTRAST
	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.

