

Pancreas 3 phase 16 Emotion

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 25mA 130kV						
kVp/Reference mass	130kv 120mas/110kv if pt under 140lbs						
Rotation time/pitch	0.6/0.8						
Detector Configuration	16x1.2						
Table Speed/Increment	15.36						
Dose reduction	CareDose 4D						
Allowed CTDI ranges*	7mGy-50mGy						
XR29 Dose Notification value	50mGy						
Helical Set #1 non con	recon	body part	thickness spacing	kernel	window	recon destination	
	1	abd	2mmx 2mm	31medium smooth	mediastinum	pac	
Helical Set #2 40 sec delay	recon	body part	thickness spacing	kernel	window	recon destination	
	1	abd	2mmx 2mm	31medium smooth	mediastinum	pac	
	2	coronal abdomen	2mmx2mm	31medium smooth	mediastinum	pac	
	3	sag abdomen	2mmx2mm	31medium smooth	mediastinum	pac	
Helical Set #3 70 second	recon	body part	thickness spacing	kernel	window	recon destination	
	1	abd	2mmx 2mm	31medium smooth	mediastinum	pac	
Scan start/end location for both helical sets	1cm superior to diaphragm iliac crest						
DFOV	40cm decrease appropriately						
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-contrast/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.

