

# Pancreas 2 phase 16 Sensation

<b>Indications</b>	For acute pancreatitis, pancreatic mass, pancreatic mass ordered by GI or other subspecialist
<b>Diagnostic Task</b>	Detect masses, abscess
<b>Scan mode</b>	Helical
<b>Position/Landmark</b>	2cm superior to xiphoid/Inspiration
<b>Topogram</b>	AP 120kV 50mA
<b>kVp/Reference mass</b>	120kv 160mas/100kv if pt under 140lbs
<b>Rotation time/pitch</b>	0.5/0.75
<b>Detector Configuration</b>	16x0.75
<b>Table Speed/Increment</b>	9
<b>Dose reduction</b>	CareDose 4D
<b>Allowed CTDI ranges*</b>	7mGy-50mGy
<b>XR29 Dose Notification value</b>	50mGy
<b>Helical Set #1</b>	body thickness recon
<b>non con</b>	recon part spacing kernel window destination
	1 abd 2mmx 2mm 31medium smooth mediastinum pacs
<b>Helical Set #2</b>	body thickness recon
<b>40 sec delay</b>	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
<b>Helical Set #3</b>	body thickness recon
<b>70 sec delay</b>	recon part spacing kernel window destination
	1 abd 2mmx 2mm 31medium smooth mediastinum pacs
	2x2 coronal and sag abd reformats from helical set #3, recon 2
<b>Scan start/end location</b>	1cm superior to diaphragm
<b>for both helical sets</b>	iliac crest
<b>IV contrast volume/rate</b>	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 4cc/sec
<b>Scan delay</b>	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
<b>NOTE*</b>	*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.

