

# CT Abd/Pelvis Venogram

## 64 GE

<b>Indications</b>	For abdomen pain, pt with PE, evaluate for may thurner syndrome		
<b>Diagnostic Task</b>	Detect deep venous thrombosis, evaluate venous anatomy		
<b>Scan mode</b>	Helical		
<b>Position/Landmark</b>	Head first-Supine Xiphoid S50-I500		
<b>Topogram</b>	AP 120kV 20mA Lat 120kV 40mA		
<b>kVp/Reference mass</b>	120kv Auto mA (300-700)		
<b>Rotation time/pitch</b>	0.5/0.984:1		
<b>Detector Configuration</b>	64x0.625		
<b>Table Speed/Increment</b>	39.37		
<b>Dose reduction</b>	Noise Index 15.86		
<b>Allowed CTDI ranges*</b>	7mGy-50mGy		
<b>XR29 Dose Notification value</b>	50mGy		
<b>Helical Set</b>	body	thickness	recon
<b>120 second delay</b>	recon part	spacing	algorithm destination
	1 abdomen/pelvis	2.5mmx 2.5mm	standard pacs
	2 sag abdomen	2mmx2mm	standard pacs
	3 coronal abdomen	2mmx2mm	standard pacs
	4 coronal MIP	5mmx2mm	standard pacs
<b>Scan start/end location</b>	1cm superior to the diaphragm lesser trochanters		
<b>IV contrast volume/rate</b>	<200lbs 100ml, 200lbs+ 125ml isovue 370 3cc/sec		
	Performed as directed by the supervising radiologist		
<b>Scan delay</b>	120seconds		
<b>Oral contrast</b>	1000ml water 30min prior to exam 32oz		
	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.		

