

CT Abd/Pelvis Venogram 16 Sensation

Indications	For abdomen pain, pt with PE, evaluate for may thurner syndrome							
Diagnostic Task	Detect deep venous thrombosis, evaluate venous anatomy							
Scan mode	Helical							
Position/Landmark	2cm superior to typhoid/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 #1 120 sec delay	recon	body part	thickness spacing	kernel	window	recon destination		
	1	abd/pelvis	2mmx 2mm	31medium smooth	mediastinum	pac		
	2	thin abd/pelvis	1mmx.8mm	31medium smooth	mediastinum	for mpr		
	2x2 coronal and sag abd/pelvis reformats from recon 2							
	5x2 coronal MIP from recon 2							
Scan start/end location	1cm superior to diaphragm lesser trochanters							
IV contrast volume/rate	<200lbs 100ml, 200lbs+ 125ml isovue 370 3cc/sec							
Scan delay	120seconds							
	Performed as directed by the supervising radiologist							

Oral contrast 1000ml water 30min prior to exam

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 allowed range should not be performed unless approved by a radiologist.

