

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 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 #1 120 sec delay	recon	body part	thickness spacing	kernel	window	recon destination
	1	abd/pelvis	2mmx 2mm	31medium smooth	mediastinum	pacs
	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	Performed as directed by the supervising radiologist 120seconds					

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 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.

