CT Abd/Pelvis Venogram
16 Emotion

Indications	For abdomen pain, 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 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
120sec

recon	body part	thickness spacing	kernel	window	recon destination
1	abd/pelvis	2mmx 2mm	31medium smooth	mediastinum	pacs
2	coronal abdomen	2mmx2mm	31medium smooth	mediastinum	pacs
3	sag abdomen	2mmx2mm	31medium smooth	mediastinum	pacs
4	coronal MIP	5mmx2mm	31medium smooth	mediastinum	pacs

Scan start/end location	1cm superior to diaphragm
	lesser trochanters
DFOV	40cm decrease appropriately
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.

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Approved by Dr Ellermeir/Mollard