

Bone pelvis 64 GE

Indications	Pain, swelling, trauma				
Diagnostic Task	Detects fractures, hematomas, arthritis, bone cyst				
Scan mode	Helical				
Position/Landmark	Head or feet first-supine-iliac crest S50-I250				
Topogram	AP 120kV 10mA Lat 120kV 40mA				
kVp/Reference mass	120kv Auto mA (100-700)				
Rotation time/pitch	0.8/0.934:1				
Detector Configuration	64x0.625				
Table Speed/Increment	39.37				
Dose reduction	Noise Index 22.10				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification value	50mGy				
Helical Set	recon	body part	thickness spacing	kernel	recon window destination
	1	pelvis bone	.625mmx .625mm	bone	pac
	2	soft tissue	.625mmx.625mm	standard	mpr 3d
	3	soft tissue pelvis	2.5mmx 2.5mm	standard	pac
	4	sag bone	2mmx2mm	bone	pac
	5	coronal bone	2mmx2mm	bone	pac
	6	sag soft tissue	2mmx2mm	standard	pac
	7	coronal soft tissue	2mmx2mm	standard	pac
Scan Start/end location	1cm superior to iliac crest				
	1cm inferior to lesser trochanters				
	include all of fx and hardware				
DFOV	40 cm				
	decrease appropriately				
	Increase kVp to 140 and turn on IQ enhance if metal is present				
3D Technique Used	do 3d spin with recon 2- 20 images rotate externally-if fracture seen				
IV contrast volume/type	100ml -isovue 370- if needed for soft tissue infection or mass				
Scan delay	90seconds-Performed as directed by a the supervising radiologist				
	using axial image for sag and coronal reformats				



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.

