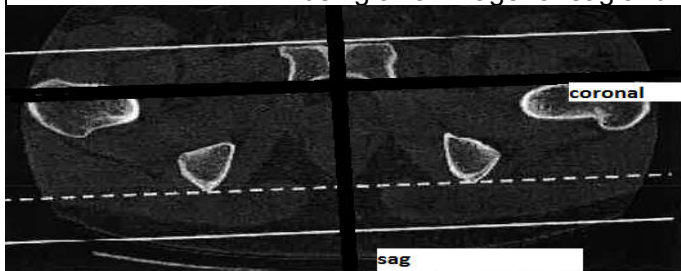


# Bone hip 64 GE

Indications	Pain, swelling, trauma					
Diagnostic Task	Detects fractures, hematomas, arthritis, bone cyst					
Scan mode	Helical					
Position/Landmark	Head or feet first-supine-iliac crest S0-I300					
Topogram	AP 120kV 10mA Lat 120kV 40mA					
kVp/Reference mass	120kv Auto mA (100-700)					
Rotation time/pitch	0.8/0.984:1					
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	window	recon destination
	1	hip bone	.625mmx .625mm	bone		pac
	2	soft tissue	.625mmx.625mm	standard		mpr 3d
	3	soft tissue hip	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-do sag of hip of intrest					



## 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.

