

Sacroiliac 64 GE

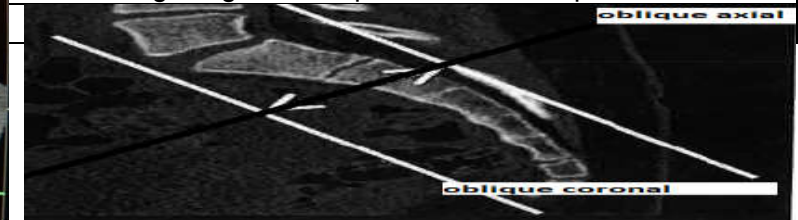
Indications	Pain, swelling, trauma
Diagnostic Task	Detects fractures, hematomas, arthritis, bone cyst
Scan mode	Helical
Position/Landmark	Head or feet first-supine-iliac crest S50-I250
Topogram	AP 120kV 10mA Lat 120kV 40mA
kVp/Reference mass	120kv Auto mA (100-700)
Rotation time/pitch	0.8/0.984:1
Detector 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	body		thickness	kernel	window	recon destination
	recon	part	spacing			
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	oblique axial	bone	2mmx2mm	bone		pac
7	sag	soft tissue	2mmx2mm	standard		pac
8	oblique axial	ST	2mmx2mm	standard		pac
9	oblique axial	ST	2mmx2mm	standard		pac

Scan Start/end location	1cm superior to iliac crest
	1cm inferior to lesser trochanters
	include all of fx and hardware
	40 cm
	Increase kVp to 140 and turn on IQ enhance if metal is present
	decrease appropriately

DFOV	
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

use axial image for sag reformats-use sag image for oblique axial and oblique coronal



Approximate values for CT DIvol

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.

