



Sacroiliac hip 64 Toshiba

Indications	Pain, swelling, trauma					
Diagnostic Task	Detects fractures, hematomas, arthritis, bone cyst					
Scan mode	Helical					
Position/Landmark	feet first-supine-iliac crest S-i					
Topogram	AP 120kV 50mA Lat 120kV 100mA					
kVp/Reference mass	135kv Sure Exp 3D(120-550)					
Rotation time/pitch	0.75/0.641					
Detector Configuration	64x0.5					
Table Speed/Increment	20.5					
Dose reduction	Sure Exp 3D high quality					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set	recon	body part	thickness spacing	kernel	window	recon destination
	1	pelvis bone	.5mmx .5mm		bone	pac
	2	soft tissue thin	1mmx.8mm		standard	mpr 3d
	3	pelvis soft tissue	2mmx 2mm		standard	pac
	4	sag bone	2mmx2mm		bone	pac
	5	oblique coronal bone	2mmx2mm		bone	pac
	6	oblique axail bone	2mmx2mm		bone	pac
	7	sag soft tissue	2mmx2mm		standard	pac
	8	oblique coronal ST	2mmx2mm		standard	pac
	9	oblquie 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					
DFOV	40 cm					
	decrease appropriately					
3D Technique Used	do 3d spin with recon 2-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 fo					
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.

