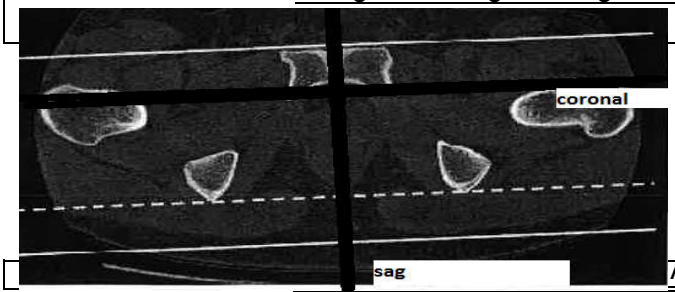
Bone hip 16 GE

Indications	Pain, swelling, trauma
Diagnostic Task	Detects fractures, hematomas, arthritis, bone cyst
Scan mode	Helical
Position/Landmark	feet first-supine-S50-I300
Topogram	AP 120kV 10mA Lat 120kV 30mA
kVp/Reference mass	120kv Auto mA (100-440)
Rotation time/pitch	0.8/0.938:1
Detector Configuration	16x0.625
Table Speed/Increment	9.37
Dose reduction	Noise Index 25.78
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy

Helical Set

recon	body part	thickness spacing	kernel	window	recon destination
1	pelvis bone	.625mmx .625mm	bone		pacs
2	soft tissue thin	.625mmx.625mm	standard		mpr 3d
3	pelvis soft tissue	2.5mmx 2.5mm	standard		pacs
4	sag bone	2mmx2mm	bone		pacs
5	coronal bone	2mmx2mm	bone		pacs
6	sag soft tissue	2mmx2mm	standard		pacs
7	coronal soft tissue	2mmx2mm	standard		pacs

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
	using axial image for sag and coronal reformats-do coronal/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.

Revision Date 8-15-2017
Approved by Dr G. Wang