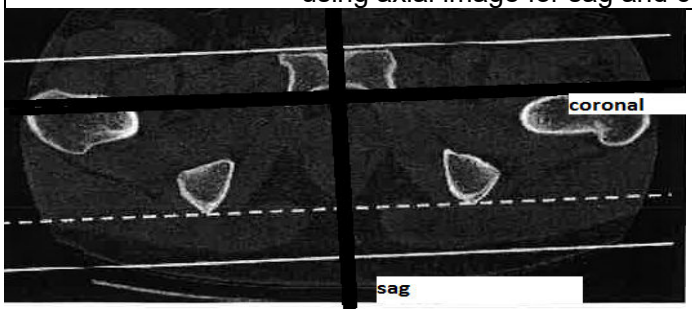
Bone pelvis GO ALL

Indications	Pain, swelling, trauma
Diagnostic Task	Detects fractures, hematomas, arthritis, bone cyst
Scan mode	Helical
Position/Landmark	Head or feet first-supine-iliac crest
Topogram	Ap 110kv 15mA
kVp/Reference mass	110kv 273mas
Rotation time/pitch	1.0/0.8
Detector Configuration	32x0.7
Table Speed/Increment	19.92
Dose reduction	Care Dose on
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy

Helical Set

recon	body part	thickness spacing	kernel	window	recon destination
1	thin pelvis	.8mmx.8mm	Br60	bone	pacs
2	pelvis soft tissue	2mmx 2mm	Br40	soft tissue	pacs
3	Cor bone	2mmx2mm	Br60	bone	pacs
4	sag bone	2mmx2mm	Br60	bone	pacs
5	Cor ST	2mmx2mm	Br40	soft tissue	pacs
6	Sag ST	2mmx2mm	Br40	soft tissue	pacs
7	VRT	left to rigth	Br40	soft tissue	pacs

Scan Start/end location	1cm superior to iliac crest
	1cm inferior to lesser trochanters
	include all of fx and hardware
DFOV	25 cm
	decrease appropriately
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
3D Technique Used	do 3d spin with recon 3-if fracture seen
	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.

Revision Date 12-7-2017
Approved by Dr G. Wang