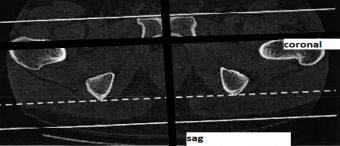
## Bone hip GO UP

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   17.92     Dose reduction   Care Dose on     Allowed CTDI ranges*   7mGy-50mGy     XR29 Dose Notification value   50mGy     Helical Set   body   thickness     recon   part   spacing   kernel   window     1   thin pelvis   .8mmx.8mm   Br60   bone     2   pelvis soft tissue   2mmx2mm   Br60   bone     3   Cor bone   2mmx2mm   Br60   bone					
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 17.92   Dose reduction Care Dose on   Allowed CTDI ranges* 7mGy-50mGy   XR29 Dose Notification value 50mGy   Helical Set body thickness   recon part spacing kernel window   1 thin pelvis .8mmx.8mm Br60 bone   2 pelvis soft tissue 2mmx 2mm Br40 soft tissue   3 Cor bone 2mmx2mm Br60 bone	Pain, swelling, trauma Detects fractures, hematomas, arthritis, bone cyst				
Topogram AP 110kv 15mA   kVp/Reference mass 110kv 273mas   Rotation time/pitch 1.0/0.8   Detector Configuration 32x0.7   Table Speed/Increment 17.92   Dose reduction Care Dose on   Allowed CTDI ranges* 7mGy-50mGy   XR29 Dose Notification value 50mGy   Helical Set body thickness   recon part spacing kernel window   1 thin pelvis .8mmx.8mm Br60 bone   2 pelvis soft tissue 2mmx 2mm Br40 soft tissue   3 Cor bone 2mmx2mm Br60 bone					
kVp/Reference mass 110kv 273mas   Rotation time/pitch 1.0/0.8   Detector Configuration 32x0.7   Table Speed/Increment 17.92   Dose reduction Care Dose on   Allowed CTDI ranges* 7mGy-50mGy   XR29 Dose Notification value 50mGy   Helical Set body thickness   recon part spacing kernel window   1 thin pelvis .8mmx.8mm Br60 bone   2 pelvis soft tissue 2mmx 2mm Br40 soft tissue	Head or feet first-supine-iliac crest				
Rotation time/pitch 1.0/0.8   Detector Configuration 32x0.7   Table Speed/Increment 17.92   Dose reduction Care Dose on   Allowed CTDI ranges* 7mGy-50mGy   XR29 Dose Notification value 50mGy   Helical Set body thickness   recon part spacing kernel window   1 thin pelvis .8mmx.8mm Br60 bone   2 pelvis soft tissue 2mmx2mm Br40 soft tissue   3 Cor bone 2mmx2mm Br60 bone	AP 110kv 15mA				
Detector Configuration 32x0.7   Table Speed/Increment 17.92   Dose reduction Care Dose on   Allowed CTDI ranges* 7mGy-50mGy   XR29 Dose Notification value 50mGy   Helical Set body thickness   recon part spacing kernel window   1 thin pelvis .8mmx.8mm Br60 bone   2 pelvis soft tissue 2mmx 2mm Br40 soft tissue   3 Cor bone 2mmx2mm Br60 bone	110kv 273mas				
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Dose reduction Care Dose on   Allowed CTDI ranges* 7mGy-50mGy   XR29 Dose Notification value 50mGy   Helical Set body thickness   recon part spacing kernel window   1 thin pelvis .8mmx.8mm Br60 bone   2 pelvis soft tissue 2mmx 2mm Br40 soft tissue   3 Cor bone 2mmx2mm Br60 bone	32x0.7				
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XR29 Dose Notification value 50mGy   Helical Set body thickness   recon part spacing kernel window   1 thin pelvis .8mmx.8mm Br60 bone   2 pelvis soft tissue 2mmx 2mm Br40 soft tissue   3 Cor bone 2mmx2mm Br60 bone	Care Dose on				
Helical Setbodythicknessreconpartspacingkernelwindow1thin pelvis.8mmx.8mmBr60bone2pelvis soft tissue2mmx 2mmBr40soft tissue3Cor bone2mmx2mmBr60bone	7mGy-50mGy				
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1thin pelvis.8mmx.8mmBr60bone2pelvis soft tissue2mmx 2mmBr40soft tissue3Cor bone2mmx2mmBr60bone	recon				
2pelvis soft tissue2mmx 2mmBr40soft tissue3Cor bone2mmx2mmBr60bone	destination				
3 Cor bone 2mmx2mm Br60 bone	pacs				
	pacs				
4 sag bone 2mmx2mm Br60 bone	pacs				
	pacs				
5 Cor ST 2mmx2mm Br40 soft tissue	pacs				
6 Sag ST 2mmx2mm Br40 soft tissue	e pacs				
Scan Start/end location 1cm superior to iliac crest	1cm superior to iliac crest				
1cm inferior to lesser trochanters	1cm inferior to lesser trochanters				
include all of fx and hardware	include all of fx and hardware				
DFOV 25 cm	25 cm				
decrease appropriately	decrease appropriately				
IV contrast volume/type 100ml -isovue 370- if needed for soft tissue infection or mass	100ml -isovue 370- if needed for soft tissue infection or mass				
Scan delay 90seconds-Performed as directed by a the supervising radiologist	90seconds-Performed as directed by a the supervising radiologist				
D Technique Used do 3d spin with recon 3-if fracture seen					
using axial image for sag and coronal reformats- do sag of hip of intres	st				



	sag	sag pproximate 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		
	*The AAPM recommen	he 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.					

NOTE\*

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