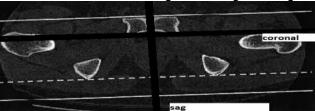
Bone hip 64 Sensation

Detects fractures, hematomas, arthritis, bone cyst Brain mode Position/Landmark Position/Landmark Position/Landmark Position/Landmark Pesition/Landmark Phead or feet first-supine-iliac crest Phead or feet first-s	Indications	Pain, swelling, trauma						
Helical	Indications		omas arthritis hav	an avat				
Pesition/Landmark Head or feet first-supine-iliac crest Topogram PA 60mA 80kV KV/Reference mass 120kv 200mas Rotation time/pitch 0.5/0.8 Detector Configuration 64x0.6 Table Speed/Increment 30.72 Dose reduction CareDose on Allowed CTDI ranges* 7mGy-50mGy KR29 Dose Notification value Helical Set	-	•						
Topogram PA 60mA 80kV AVP/Reference mass Rotation time/pitch Detector Configuration Table Speed/Increment Dose reduction Allowed CTDI ranges* Trecon part spacing kernel window destination T soft tissue .75mmx.5mm 30smooth mediastinum pacs 3 pelvis .75mmx.5mm 80ultra sharp osteo pacs 4 coronal bone 2mmx2mm 80 ultra sharp osteo pacs 5 sag bone 2mmx2mm 80ultra sharp osteo pacs 6 soft tissue sag 2mmx2mm 30smooth mediastinum pacs 7 soft tissue sag 2mmx2mm 30smooth mediastinum pacs 1 cm superior to iliac crest 1 cm inferior to lesser trochanters include all of fx and hardware			Hood o		a araat			
Note								
Rotation time/pitch 0.5/0.8								
Detector Configuration 64x0.6 Table Speed/Increment 30.72 Dose reduction CareDose on Allowed CTDI ranges* XR29 Dose Notification value Helical Set	•							
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Helical Set body	Allowed CTDI ranges*	7mGy-50mGy						
recon part spacing kernel window destination 1 soft tissue .75mmx.5mm 30smooth mediastinum mpr 2 pelvis 2mmx 2mm 30smooth mediastinum pacs 3 pelvis .75mmx .5mm 80ultra sharp osteo pacs 4 coronal bone 2mmx2mm 80 ultra sharp osteo pacs 5 sag bone 2mmx2mm 80ultra sharp osteo pacs 6 soft tissue coronal 2mmx2mm 30smooth mediastinum pacs 7 soft tissue sag 2mmx2mm 30smooth mediastinum pacs 1 cm superior to iliac crest 1 cm inferior to lesser trochanters include all of fx and hardware	XR29 Dose Notification value	50mGy						
1 soft tissue .75mmx.5mm 30smooth mediastinum mpr 2 pelvis 2mmx 2mm 30smooth mediastinum pacs 3 pelvis .75mmx .5mm 80ultra sharp osteo pacs 4 coronal bone 2mmx2mm 80 ultra sharp osteo pacs 5 sag bone 2mmx2mm 80ultra sharp osteo pacs 6 soft tissue coronal 2mmx2mm 30smooth mediastinum pacs 7 soft tissue sag 2mmx2mm 30smooth mediastinum pacs 1 cm superior to iliac crest 1 cm inferior to lesser trochanters include all of fx and hardware	Helical Set	body	thickness	i		recon		
2 pelvis 2mmx 2mm 30smooth mediastinum pacs 3 pelvis .75mmx .5mm 80ultra sharp osteo pacs 4 coronal bone 2mmx2mm 80 ultra sharp osteo pacs 5 sag bone 2mmx2mm 80ultra sharp osteo pacs 6 soft tissue coronal 2mmx2mm 30smooth mediastinum pacs 7 soft tissue sag 2mmx2mm 30smooth mediastinum pacs 1cm superior to iliac crest 1cm inferior to lesser trochanters include all of fx and hardware		recon part	spacing	kernel	window	destination		
3 pelvis .75mmx .5mm 80ultra sharp osteo pacs 4 coronal bone 2mmx2mm 80 ultra sharp osteo pacs 5 sag bone 2mmx2mm 80ultra sharp osteo pacs 6 soft tissue coronal 2mmx2mm 30smooth mediastinum pacs 7 soft tissue sag 2mmx2mm 30smooth mediastinum pacs 1 cm superior to iliac crest 1 cm inferior to lesser trochanters include all of fx and hardware		1 soft tissue	.75mmx.5mm	30smooth	mediastinum	mpr		
4 coronal bone 2mmx2mm 80 ultra sharp osteo pacs 5 sag bone 2mmx2mm 80 ultra sharp osteo pacs 6 soft tissue coronal 2mmx2mm 30smooth mediastinum pacs 7 soft tissue sag 2mmx2mm 30smooth mediastinum pacs 1cm superior to iliac crest 1cm inferior to lesser trochanters include all of fx and hardware		2 pelvis	2mmx 2mm	30smooth	mediastinum	pacs		
5 sag bone 2mmx2mm 80ultra sharp osteo pacs 6 soft tissue coronal 2mmx2mm 30smooth mediastinum pacs 7 soft tissue sag 2mmx2mm 30smooth mediastinum pacs 1cm superior to iliac crest 1cm inferior to lesser trochanters include all of fx and hardware		3 pelvis	.75mmx .5mm	80ultra sharp	osteo	pacs		
6 soft tissue coronal 2mmx2mm 30smooth mediastinum pacs 7 soft tissue sag 2mmx2mm 30smooth mediastinum pacs 1cm superior to iliac crest 1cm inferior to lesser trochanters include all of fx and hardware		4 coronal bone	2mmx2mm	80 ultra sharp	osteo	pacs		
7 soft tissue sag 2mmx2mm 30smooth mediastinum pacs 1cm superior to iliac crest 1cm inferior to lesser trochanters include all of fx and hardware		5 sag bone	2mmx2mm	80ultra sharp	osteo	pacs		
Scan Start/end location 1cm superior to iliac crest 1cm inferior to lesser trochanters include all of fx and hardware		6 soft tissue coronal	2mmx2mm	30smooth	mediastinum	pacs		
1cm inferior to lesser trochanters include all of fx and hardware		7 soft tissue sag	2mmx2mm	30smooth	mediastinum	pacs		
include all of fx and hardware	Scan Start/end location	1cm superior to iliac crest						
		1cm inferior to lesser trochanters						
DFOV 40 cm		include all of fx and hardware						
	DFOV	40 cm						
decrease appropriately		decrease appropriately						
1.01 1.00	3D Technique Used							
V contrast volume/type 100ml -isovue 370- if needed for soft tissue infection or mass	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						
note: If hardware present use extended ct scale and increase kv to 140	•							
using axial image for sag and coronal reformats-do sag of hip of intrest		·						



Approximate Values for CTDIvol	
weight(lbs)	CTDIvol(mG)
110-155	10-17

Patient size weight(kg) SMALL 50-70 AVERAGE 70-90 15-25 155-200 LARGE 90-120 200-265

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.