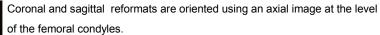
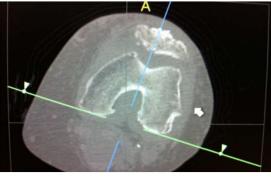
Knee 16 Emotion

	Dain	owelling troume					
Indications	Pain, swelling, trauma						
Diagnostic Task	Detects fractures, hematomas, arthritis, bone cyst						
Scan mode	Helical						
Position/Landmark	Head or feet first-supine-include joint of interest only						
Topogram	AP 25mA 110kV Lat 25mA 130kV						
kVp/Reference mass	130kv 140mas						
Rotation time/pitch	1.0/0.75						
Detector Configuration	4x0.6						
Table Speed/Increment	1.8						
Dose reduction	Care Dose on						
Allowed CTDI ranges*	7mGy-50mGy						
XR29 Dose Notification value	50mGy						
Helical Set		body	thickness			recon	
	recor	n part	spacing	kernel	window	destination	
Slice thickness/spacing	1	thin knee bone	1mmx.7mm	90very sharp	osteo	mpr/pacs	
	2	thin knee soft	1mmx.7mm	30smooth	mediastinum	for 3d	
	3	knee soft tissue	2mmx 2mm	30smooth	mediastinum	pacs	
	4	coronal bone	2mmx 2mm	90very sharp	osteo	pacs	
	5	sag bone	2mmx 2mm	90very sharp	osteo	pacs	
	6	coronal soft tissu	ue 2mmx 2mm	30smooth	mediastinum	pacs	
	7	sag soft tissue	2mmx 2mm	30smooth	mediastinum	pacs	
Scan Start/end location	3cm superior to knee joint include patella					·	
	3cm inferior to knee joint						
	include all of fx and hardware						
DFOV	25 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						
	note: If hardware present use extended ct scale and increase kv to 140						

Slide patient over so the knee being imaged is centered in the scanner. Taping feet together helps stabilize knees.





	-
	10.00mm/div