

RIH - KNEE
GE LIGHTSPEED 16 / OPTIMA CT580 PROTOCOL

Indication: fracture, dislocation, osteomyelitis, bone injury, bone tumor.

Position/Landmark	Supine , feet first Zero Appropriately				
Topogram Direction	Craniocaudal				
Respiratory Phase	Any				
Scan Type	Helical				
KV / mA / Rotation time (sec) Pitch / Speed (mm/rotation) Noise Index	120kv / smart mA (100-440) / .5 sec .938:1 , 9.37mm 25.00				
Detector width x Rows = Beam Collimation	0.625mm x 16 = 10mm				
Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon	body part	thickness/ spacing	algorithm	recon destination .
	1	thin knee	.6mm x .6mm	bone	for dmpr
	2	knee bone	2.5mm x 2.5mm	bone	pacs
	3	knee soft tissue	2.5mm x 2.5mm	standard	pacs
Scan Start / End Locations	determined by technologist or radiologist to include the anatomy of interest				
DFOV	18cm decrease appropriately				
IV Contrast Volume / Type / Rate	70cc omni 350 / 2cc per second if needed				
Scan Delay	65 seconds				
2D/3D Technique Used	DMPR of 3mm x 3mm coronal and sagittal knee series (auto-batch off), average mode, auto-transferred to PACS				
Comments:	Recon 1 is a single thin helical group of the knee for direct mpr. Recon 2 is the 2.5mm x 2.5mm knee, bone algorithm ct going to PACS. Recon 3 is the 2.5mm x 2.5mm knee, standard algorithm ct going to PACS.				
Images required in PACS	Scouts, 2.5mm x 2.5mm axial knee bone, 2.5mm x 2.5mm axial knee standard, 3mm x 3mm sagittal knee, 3mm x 3mm coronal knee, Dose Report				