

RIH - PATELLA TRACKING/ FEMORAL ANTEVERSION GE LIGHTSPEED 16 / OPTIMA CT580 PROTOCOL

Indication: knee pain, evaluate patella location and femoral anteversion.

Position/Landmark	Supine , feet first Iliac Crest				
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) / .5sec .938:1 , 9.37mm 25.00				
Detector width x Rows = Beam Collimation	0.625mm x 16 = 10mm				
First Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	<u>recon</u> 1	body part bilat hips	thickness/ spacing 2.5mm x 2.5mm	algorithm bone	recon destination . pacs
Second Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	<u>recon</u> 1	body part bilat knees 0 degree angulation	thickness/ spacing 2.5mm x 2.5mm	algorithm bone	recon destination . pacs
Third - Seventh Helical Sets Slice Thickness/ Spacing Algorithm Recon Destination	<u>recon</u> 1	body part bilat knees 10-40 degree angulations	thickness/ spacing 2.5mm x 2.5mm	algorithm bone	recon destination . pacs
Scan Start / End Locations	determined by technologist or radiologist to include the anatomy of interest				
DFOV	33cm decrease appropriately				
IV Contrast Volume / Type / Rate					
Scan Delay					
2D/3D Technique Used					
Comments:	This protocol consists of a hip series (series2), and a progression of knee series (series3-7). The hips and knees are scanned at 0 degrees; then the knees are scanned at 10-40 degrees flexion (use sponges).				
Images required in PACS	Scouts, 2.5mm x 2.5mm axial hips, 2.5mm x 2.5mm axial knees 0 degrees, 2.5mm x 2.5mm axial knees 10-40 degrees, measurement screen saves, Dose Report				