

RIH – ROUTINE CHEST ABDOMEN PELVIS GE LIGHTSPEED 16 / OPTIMA CT580 PROTOCOL

Indications - mass, metastases, lymphoma, abscess, general screening.

Position/Landmark	Head first or feet first-Supine Sternal Notch				
Topogram Direction	Craniocaudal				
Respiratory Phase	Inspiration				
Scan Type	Helical				
KV / mA / Rotation time (sec) Pitch / Speed (mm/rotation) Noise Index / ASiR / Dose Reduction	120kv / smart mA (100-440) / 0.5 sec 1.375:1 , 27.50mm 13.5 / 30 / 30%				
Detector width x Rows = Beam Collimation	1.25mm x 16 = 20mm				
Average Tube Output	ctdi – 14.7mGy dlp – 966 mGy.cm				
Helical Set	recon	body part	thickness/ spacing	algorithm	recon destination .
Slice Thickness/ Spacing	1	chest abd pelvis	5mm x 5mm	standard	pacs
Algorithm	2	thin chest abd pel	1.25mm x .6mm	standard	for dmpr
Recon Destination	3	lung	5mm x 5mm	lung	pacs
Scan Start / End Locations	1cm superior to lung apices lesser trochanters				
DFOV	38cm decrease appropriately				
IV Contrast Volume / Type / Rate	Pre-scan contrast: 30cc omni 350 2cc/sec Wait a minimum of 5 minutes Helical scan contrast: 100cc omni 350 3cc/sec				
Scan Delay	50 seconds				
2D/3D Technique Used	DMPR of 5mm x 5mm coronal chest, abdomen, pelvis series (auto-batch on), average mode, auto-transferred to PACS.				
Comments:					
Images required in PACS	Scouts, 5mm x 5mm axial chest abdomen pelvis, 5mm x 5mm coronal chest abdomen pelvis, 5mm x 5mm axial lungs, Dose Report				