RIH – CHEST ABDOMEN PELVIS WITH THORACIC AND LUMBAR SPINES
GE LIGHTSPEED VCT PROTOCOL

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 (100-450) / 0.7 sec 1.375:1 , 55.00mm 11.0 / 30 / 30%
Detector width x Rows = Beam Collimation	0.625mm x 64 = 40mm
Average Tube Output	ctdi – 11.0mGy dlp – 866 mGy.cm

Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon	body part	thickness/ spacing	algorithm	recon destination .
	1	**chest abd pelvis**	5mm x 5mm	standard	pacs
	2	thin chest abd pel	.6mm x .6mm	standard	for dmpr
	3	**t and l spines**	2.5mm x 2.5mm	bone	pacs
	4	thin t and l spines	.6mm x .6mm	bone	for dmpr
	5	**lung**	5mm x 5mm	lung	pacs

Scan Start / End Locations **DFOV**	1cm superior to lung apices lesser trochanters 38cm decrease appropriately
IV Contrast Volume / Type / Rate	30mL Iohexol (Omnipaque 350) followed by 40mL of saline prior to scouts then 5 minute delay then 100mL Iohexol (Omnipaque 350) , 3mL/sec
Scan Delay	50 seconds
2D/3D Technique Used	5mm x 5mm coronal chest, abdomen, pelvis series , average mode 2.5mm x 2.5mm sagittal and coronal reformats thoracic and lumbar spines, average mode
Comments: Recon 4 is a single thin helical group of the thoracic and lumbar spines for dmpr.	
Images required in PACS	Scouts, 5mm x 5mm axial chest abdomen pelvis, 5mm x 5mm coronal chest abdomen pelvis, 5mm x 5mm axial lungs, 2.5mm x 2.5mm axial thoracic and lumbar spines, 2.5mm x 2.5 mm coronal and sagittal thoracic spine, 2.5mm x 2.5 mm coronal and sagittal lumbar spine, Dose Report

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