RIH - PARATHYROID 4D NECK GE LIGHTSPEED VCT PROTOCOL

Indication: For localization of parathyroid adenoma

Position/Landmark	Head first or feet first-Supine				
Towns and Discording			Sternal Notch		
Topogram Direction	Craniocaudal				
Respiratory Phase	Inspiration				
Scan Type	Helical				
KV / mA / Rotation time (sec)	120kv / smart mA (100-450) / 0.5 sec				
Pitch / Speed (mm/rotation)	1.375:1, 55.00mm				
Noise Index / ASiR / Dose Reduction	18.0 / 20 / 20%				
Detector width x Rows = Beam Collimation	$0.625 \text{mm} \times 64 = 40 \text{mm}$				
Average Tube Output	ctdi – 10.7mGy				
	dlp – 915.6 mGy.cm				
First – Third Helical Sets		body	thickness/		recon
Slice Thickness/ Spacing	recon	part	spacing	algorithm	destination.
Algorithm Recon Destination	1	thin neck	.6mm x .6mm	standard	for dmpr
	three groups: 0 seconds, 45 seconds, 75 seconds				
Scan Start / End Locations	external auditory meatus				
	mid heart				
	18cm				
DFOV	decrease appropriately				
IV Contrast Volume / Type / Rate	100mL Iohexol (Omnipaque 350), 3mL/sec				
Scan Delay	45 seconds				
2D/3D Technique Used	DMPR of 3mm x 3mm axial and coronal of each phase of recon 1 auto transferred to PACS. Auto-batch is on for all 6 sets of reformats.				
Comments: Recon 1 is three helical grimages of each series and send them to seconds(late arterial), 75 seconds(perf Start the iv contrast after the non-coinjection in the arm opposite of the indicates the area of possible adenor. The multiple phases are used to determ Images required in PACS	o PACS. usion), a contrast s patient's ma. mine the Scouts,	This protocol refter iv contrast is series (0 second s symptoms. The peak enhancement of the symptoms and the symptoms are symptoms and the symptoms are symptoms.	epeats the same scan of njection. s) is completed. Place patient usually has	the neck at 0 see the angiocath had a nuclear renoma.	for the iv med study that m axial and