RIH – IV CONTRAST NECK CHEST
SIEMENS DEFINITION AS+ PROTOCOL

Indications - mass, lymphoma, adenopathy, mets.

Position/Landmark	Head first or feet first-Supine 1cm superior to skull vertex
Topogram Direction	Craniocaudal / Craniocaudal
Respiratory Phase	Inspiration
Scan Type	Helical
Ref kV/Ref mAs/Rotation time (sec) **Pitch / Speed (mm/rotation)** **Safire Strength / Dose Optimization**	Neck: Care kV 120/Care Dose4D 100/0.5sec; .8:1 , 32.00mm; 3 / 7 Chest: Care kV 120/Care Dose4D 150/0.5sec; .6:1 , 24.00mm; 3 / 6
Detector width x Rows = Beam Collimation	0.625mm x 64 = 40mm (128 x .6mm)
Average Tube Output	First Helical: ctdi – 9.7mGy, dlp – 305.6 mGy.cm Second Helical: ctdi – 10.0mGy, dlp – 366 mGy.cm
First Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon 1: **axial iv neck**; 3mm x 3mm; I40f medium; pacs recon 2: **coronal iv neck**; 3mm x 3mm; I40f medium; pacs recon 3: thin neck; .75mm x .7mm; I40f medium; terarecon
Second Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon 1: **chest**; 5mm x 5mm; I40f medium; pacs recon 2: **lungs**; 5mm x 5mm; I70f very sharp; pacs recon 3: **coronal chest**; 5mm x 5mm; I40f medium; pacs recon 4: thin chest; .75mm x .7mm; I40f medium; terarecon
Scan Start / End Locations **DFOV**	neck: external auditory meatus – aortic arch chest: 1cm superior to lung apices – 1cm inferior to adrenal glands 18cm – 38cm decrease appropriately
IV Contrast Volume / Type / Rate	90mL Iohexol (Omnipaque 300) , 3mL/sec 55 second scan delay
Scan Delay	30 seconds
2D/3D Technique Used	Workstream 4D mpr of 3mm x 3mm **coronal neck** series, auto-transferred to PACS. Workstream 4D mpr of 5mm x 5mm **coronal chest** series, auto-transferred to PACS.
Comments: Recon 3 is a thin helical volume of the neck that is archived to the TeraRecon server. Recon 4 is a thin helical volume of the chest that is archived to the TeraRecon server.	
Images required in PACS	Topograms, 3mm x 3mm neck, 3mm x 3mm coronal neck, 5mm x 5mm axial chest, 5mm x 5mm coronal chest, 5mm x 5mm axial lungs, Patient Protocol

updated Jan 23, 2017