RIH – PEDI IV CONTRAST NECK
SIEMENS DEFINITION AS20 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**	Care kV 120 / Care Dose4D 115 / 1 sec .8:1 , 16.00mm 3 / 7
Detector width x Rows = Beam Collimation	1.25mm x 16 = 20mm
Average Tube Output	ctdi – 4.5 mGy dlp – 150 mGy.cm

Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon	body part	thickness/ spacing	algorithm	recon destination .
	1	**axial iv neck**	3mm x 3mm	I40f medium	pacs
	2	**coronal iv neck**	3mm x 3mm	I40f medium	pacs
	3	thin neck	1.5mm x 1mm	I40f medium	terarecon

Scan Start / End Locations **DFOV**	External auditory meatus Aortic arch 20 cm decrease appropriately
IV Contrast Volume / Type / Rate	Contrast volume is 1cc per pound of body weight Omnipaque300 / 2cc per second or hand injection if necessary
Scan Delay	30 seconds or just after hand bolus is completed
2D/3D Technique Used	Workstream 4D mpr of 3mm x 3mm **coronal neck** series, auto-transferred to PACS.
Comments: Recon 3 is a thin helical volume of the neck that is archived to the TeraRecon server.	
Images required in PACS	Topograms, 3mm x 3mm neck, 3mm x 3mm coronal neck, Patient Protocol

updated Jan 23, 2017