

**RIH – IV CONTRAST NECK  
SIEMENS DEFINITION AS20 PROTOCOL**

**Indications - mass, lymphoma, adenopathy, mets.**

<b>Position/Landmark</b>	Head first or feet first-Supine 1cm superior to skull vertex
<b>Topogram Direction</b>	Craniocaudal / Craniocaudal
<b>Respiratory Phase</b>	Inspiration
<b>Scan Type</b>	Helical
<b>Ref kV/Ref mAs/Rotation time (sec) Pitch / Speed (mm/rotation) Safire Strength / Dose Optimization</b>	Care kV 120 / Care Dose4D 90 / 1 sec .8:1 , 16.00mm 3 / 7
<b>Detector width x Rows = Beam Collimation</b>	1.25mm x 16 = 20mm
<b>Average Tube Output</b>	ctdi – 9.5 mGy dlp – 300 mGy.cm
<b>Helical Set</b>	body thickness/ recon recon part spacing algorithm destination .
Slice Thickness/ Spacing	1 <b>axial iv neck</b> 3mm x 3mm I40f medium pacs
Algorithm	2 <b>coronal iv neck</b> 3mm x 3mm I40f medium pacs
Recon Destination	3 thin neck 1.5mm x 1mm I40f medium terarecon
<b>Scan Start / End Locations</b>	External auditory meatus Aortic arch
<b>DFOV</b>	20 cm decrease appropriately
<b>IV Contrast Volume / Type / Rate</b>	70mL Iohexol (Omnipaque 300) , 2mL/sec if needed
<b>Scan Delay</b>	35 seconds
<b>2D/3D Technique Used</b>	Workstream 4D mpr of 3mm x 3mm <b>coronal neck</b> series, auto-transferred to PACS.
<b>Comments:</b> Recon 3 is a thin helical volume of the neck that is archived to the TeraRecon server.	
<b>Images required in PACS</b>	Topograms, 3mm x 3mm neck, 3mm x 3mm coronal neck, Patient Protocol