# RIH - ROUTINE NECK
# GE LIGHTSPEED 16 / OPTIMA CT580 PROTOCOL

**Indications - mass, lymphoma, adenopathy, metastases**

| | |
|---|---|
| **Position/Landmark** | Head first or feet first-Supine<br>Sternal Notch |
| **Topogram Direction** | Craniocaudal |
| **Respiratory Phase** | Suspension |
| **Scan Type** | Helical |
| **KV / mA / Rotation time (sec)**<br>**Pitch / Speed (mm/rotation)**<br>**Noise Index / ASiR / Dose Reduction** | 120kv / smart mA (80-440) / 0.5sec<br>1.375:1 , 27.5mm<br>12.00 / 20 / 20% |
| **Detector width x Rows = Beam Collimation** | 1.25mm x 16 = 20mm |
| **Average Tube Output** | ctdi – 9.7mGy<br>dlp – 295.6 mGy.cm |
| **Helical Set**<br>Slice Thickness/ Spacing<br>Algorithm<br>Recon Destination | recon / body part / thickness/ spacing / algorithm / recon destination .<br>1 / **neck** / 2.5mm x 2.5mm / standard / pacs<br>2 / thin neck / 1.2mm x .6mm / standard / for dmpr |
| **Scan Start / End Locations**<br><br>**DFOV** | external auditory meatus<br>aortic arch<br><br>18cm<br>decrease appropriately |
| **IV Contrast Volume / Type / Rate** | 70cc omni 350 / 2cc per second<br>if needed |
| **Scan Delay** | 35 seconds |
| **2D/3D Technique Used** | DMPR of 3mm x 3mm **coronal neck** series (auto-batch on), average mode, auto-transferred to PACS |
| **Comments:** | |
| **Images required in PACS** | Scouts, 2.5mm x 2.5mm axial neck, 3mm x 3mm coronal neck, Dose Report |

updated Jan 23, 2017