CT CTA Carotid Arch GE- 1106
Maximum CTDI __150

Note: Demonstrate aneurysms of the Carotid Arteries, Aortic Arch

PT Prep: IV Contrast (follow MCR IV contrast dosing guidelines)

Series 1:   **Scout AP & Lat "0" at OM**
             S 75 to I 200

Series 2:   **Smart Prep** image will be taken at the ascending aorta
             -The scan is started here and will be scanned bottom up.
             -The mA may need to be adjusted on Smart Prep to 60 or 80 depending on patient size to
                penetrate through the shoulders.

Series 3:   Arterial Phase: IV contrast with a bolus flush at 4.5cc sec

             In the **SMART PREP** window: click the **Automatic Minimum Delay** to adjust for least
             amount of delay. Smart prep on ARCH for CTA neck.
             Start scan on first blush of IV contrast in aorta
             Perform a Helical scan from the Arch through the base of skull.

Reconstruction: Standard   DFOV 23

Technique:

	750 HD (128) **CT2**	**Optima 660 (32)** **OVIC**	**Optima 660** **CT1**	**VCT 64** **CT3**
Noise Level	12.87	18.00	9.00	12.00
Interval	5mm	5 mm	5mm	5 mm
Axial/Helical Thickness	5mm	5mm	5mm	5mm
Pitch	0.969:1	1.375:1	0.984:1	0.984:1
Speed mm/rotation	19.37	27.50	39.37	39.37
Detector Rows				
Detector Configuration				
Beam Collimation	20mm	20mm	40mm	40mm
Kv/mA	120KV/700mA	120KV/440mA	120KV/440mA	120KV/700mA
Scan Type	Helical 0.4	Helical 0.5	Helical 0.7	Helical 0.5

 Original Date: 4-8-04   Approved by: Dr. Barbu, MCR
Revised Date: 11/9/04, 12/08/10, 4/17/13, 12/15/15, 08/18/20, 3/11/24, 3/8/24
<div style="text-align:right">GE MDCT</div>

Networking/ PACs: Send scouts/smart prep pictures
                     Send series 3 in Standard Algorithm in 2.5mm
                     Send Recon 2 in 950 WW & 250 WL to 3D
                     Send Sagittal / Coronal / Axial MIP images