CT CTA Circle of Willis to Carotid Arch Maximum CTDI __150

Note: Demonstrate aneurysms of the Circle of Willis, Carotid Arteries, Aortic Arch
PT Prep: IV Contrast (follow MCR IV contrast dosing guidelines)
Series 1: Scout AP & Lat "0" at OM S 100 to I 300
Series 2- Smart Prep image will be taken at 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 to least

In the **SMART PREP** window: click the **Automatic Minimum Delay** to adjust to least amount of delay. Smart prep on ARCH for CTA head/neck. -scan should be started on first blush of IV contrast in the aorta -Perform a Helical scan from the Arch through the top of the head.

Reconstruction: Standard DFOV 23

Technique:

	750 HD (128) CT2	Optima660 (32) OVIC	Optima 660 CT1	VCT 64 CT3
Noise Level	12.00	18.20	9.00	12.00
Interval	5mm	5mm	5mm	5mm
Axial/Helical Thickness	5mm	5mm	5mm	5 mm
Pitch	0.969:1	0.969:1	0.984:1	0.984:1
Speed mm/rotation	19.37	19.37	39.37	39.37
Detector Rows				
Detector Configuration				
Beam Collimation	20mm	20mm	40mm	40mm
KV/mA	120KV/700mA	120KV/440mA	120KV/440mA	120KV/440mA
Scan Type	Helical 0.4	Helical 0.5	Helical 0.7	Helical 0.7

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

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