

INDICATION		Aneurysm, TIA, stenosis, CVA						
POSITION / LANDMARK		Supine / SN						
START/END LOCATIONS		Head/Neck source – below arch through vertex of head Neck recons - include aortic arch to above COW Head recons - mandible to vertex of head						
CONTRAST PARAMETERS		50cc, 4cc per second						
RESPIRATORY PHASE		n/a						
SCAN DELAY		SMART prep @ aortic arch						
SCAN TYPE		Helical						
	KV	mA	Rot Time (sec)	Pitch	Speed (mm/rot)	Noise Index	ASiR	Dose Reduction
	120	Smart mA 200-560	0.5	0.984:1	39.37	9.0	30%	
TECHNIQUE		Using automated exposure control and adjustment of the mA and/or kV according to patient size, radiation dose to be kept as low as reasonably achievable to obtain optimal diagnostic quality images.						
Scans								
Series #	Series	Body Part	DFOV	Thick/Space	Algorithm	Notes		
1	Loc					AP/Lat		
2	Source data	Head/Neck	25	2.5x1.25	STND	400/40		
Recons								
Recon source Series #	Recon	Body Part	Thick / Space	Algorithm	W/L	Notes		
2	AX	Head	1.25x0.625	STND	400/40			
2	AX	Neck	1.25x0.625	STND	400/40			
AX Head 1.25x0.625	COR	Head	1.25x0.625	STND	400/40			

*Please note, recons are displayed as thickness X spacing

AX Neck 1.25x 0.625	COR	Neck	1.25x0.625	STND	400/40	
AX Head 1.25x 0.625	AX MIP	Head	20x2	STND	650/250	
AX Head 1.25x 0.625	COR MIP	Head	20x2	STND	650/250	
AX Head 1.25x 0.625	SAG MIP	Head	20x2	STND	650/250	
AX Neck 1.25x 0.625	COR MIP	Neck	20x2	STND	650/250	include COW to arch. P to A
AX Neck 1.25x 0.625	SAG MIP	Neck	20x2	STND	650/250	

2D / 3D Processing

CTA Carotid

Source: Axial with 1.25x0.625 standard window

1. Sagittal Left bifurcation STS 20x2 (M to L)
2. Sagittal Right bifurcation STS 20x2 (M to L)
3. Left carotid Centerline rotation (full carotid S to I) – rotate 360 with 36 images
4. Right carotid Centerline rotation (full carotid S to I) – rotate 360 with 36 images

CTA COW

Source: Axial with 1.25x0.625 standard window

1. MIP and VR rotation left to right – rotate 360 with 36 images
2. MIP and VR rotation inferior to superior – rotate 360 with 36 images

Series required in PACS

Loc, Dose Report, source, ALL recons, ALL 3D post processed

ADDITIONAL INSTRUCTIONS:

*Please note, recons are displayed as thickness X spacing