

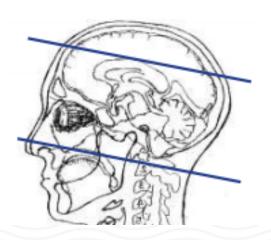
## MRA HEAD - COW

Indications			Intracranial arterial stenosis, occulsion, abnormality					
IV site			IV site in RIGHT arm					
Localizer			3 plane scout					
Plane	Sequence	Fat Sat	SLT / SP	FOV	Notes			
Axial	3D TOF		≤1.5 or VOI	20 cm	upper C-1 through upper 3rd ventricle			
Plan your volume on sagittal scout and check for tilt in coronal plane, adjust as needed Sat band superior to volume to avoid venous contamination			Make sure MIP 'slices' are thin <u>minimum</u> 18 projections, 10 degree angle Name each MIP Post processing Head MIP in R to L rotation and cranio-caudal "tumble" rotation					
Sat band superior to volume to avoid venous contamination Send source images			<ol> <li>Right ICA, A1-2, M1-2</li> <li>Left ICA A1-2, M1-2</li> <li>Vertebrobasilar, PICA, and P1 &amp; P2 posterior cerebral arteries</li> </ol>					
S/P Coiling - follow up for clipped or coiled aneurysm								

## Localizer scout - 3 plane

Plane	Sequence	Fat Sat	SLT / SP	FOV	Notes
Axial +C	3D TOF		≤1.5 or VOI	20 cm	upper C-1 through upper 3rd ventricle

Same recon instuctions as above



Any deviation from protocol MUST be Radiologist approved. Rad Director will be notified if this occurs without prior approval.