

MRA HEAD - COW

Indications	Intracranial arterial stenosis, occlusion, 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 Sat band superior to volume to avoid venous contamination Send source images			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 1. Right ICA, A1-2, M1-2 2. Left ICA A1-2, M1-2 3. Vertebrobasilar, PICA, and P1 & P2 posterior cerebral arteries		

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 instructions as above					

