

## MRA HEAD - COW

|                    |   |
|--------------------|---|
| <b>Indications</b> | <b>Intracranial arterial stenosis, occlusion, abnormality</b> |
| IV site            | IV site in RIGHT arm  |
| Localizer          | 3 plane scout   |

| Plane  | Sequence | Fat Sat | SLT / SP  | FOV   | Notes                                 |
|--|----------|---------|---|-------|---------------------------------------|
| Axial  | 3D TOF   |         | ≤1.5<br>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<br>Sat band superior to volume to avoid venous contamination<br><br>Sat band superior to volume to avoid venous contamination<br><br>Send source images |          |         | Make sure MIP 'slices' are thin <u>minimum</u> 18 projections, 10 degree angle<br>Name each MIP<br><br><b>Post processing Head</b><br>MIP in R to L rotation and cranio-caudal "tumble" rotation<br>1. Right ICA, A1-2, M1-2<br>2. Left ICA A1-2, M1-2<br>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<br>or VOI | 20 cm | upper C-1 through upper 3rd ventricle |
| Same recon instructions as above |          |         |                |       |                                       |

