

MRA NECK WITHOUT and WITH CONTRAST

Indication Vascular stenosis, bruit, dissection

IV site in right arm
precontrast MRA necessary before post contrast performed

Localizer scout - 3 plane

Plane	Sequence	Fat Sat	SLT / SP	FOV	Notes
Axial	T1	Y	3-5 mm	20 cm	thyroid glad to skull base
Axial	2D and/or 3D TOF		≤1.5 or VOI	24 cm	Cover from thoracic inlet to skull base
Axial +C	3D TOF		VOI	24 cm	minimum coverage from aortic arch to floor of sella subclavian arteries 2cm distal to the vertebral arteries

**Do vendor appropriate timing sequence prior to CE-MRA

Interval ≤0.75 on recons

Post processing

- MIP right half of neck in R to L rotation
- MIP Left half of neck in R to L rotation
- MIP entire neck in R to L rotation
- MPR in sagittal and coronal plane. Send source images

