

MRA NECK WITHOUT

Indication Vascular stenosis, bruit, dissection

- Neck MRA w/and w/o contrast or Neck CTA preferred to non-contrast Neck MRA
- Non-contrast for renal insufficiency

Localizer scout - 3 plane

Plane	Sequence	Fat Sat	SLT / SP	FOV	Notes
Axial	3D TOF		≤1.6 or VOI	20 cm	2 cm below bifurcation of each CCA and through to proximal 3cm of each ICA and ECA
Coronal	2D TOF		≤1.2/0.0	24 cm	Cover from thoracic inlet to skull base

Send source images

Make sure MIP 'slices' are thin minimum
18 projections, 10 degree angle
Name each MIP

Post processing Neck 3D TOF

- 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.

Post processing Neck 2D TOF

- Same coverage as 3D MIPS: R carotid, L carotid, and vertebral to basilar circulation
- MPR in sagittal and coronal planes

