

## MRA NECK WITHOUT CONTRAST

<b>Indications</b>	<b>Vascular stenosis, bruit, dissection</b>
Localizer	3 plane scout
Notes	Neck MRA without and with contrast OR Neck CTA preferred to non contrast Neck MRA.
	<b>Non contrast for renal insufficiency</b>

PLANE	SEQUENCE	FAT SAT	SLT/SP	FOV	NOTES
Axial	3D TOF		<u>&lt;1.6 or VOI</u>	20 cm	2 cm below bifurcation of each CCA and through to proximal 3 cm of each ICA and ECA
Coronal	2D TOF		<u>&lt; 1.2 / 0.0</u>	24 cm	cover from thoracic inlet to skull base

Send source images

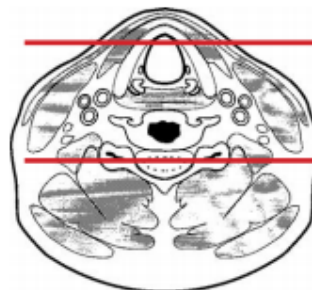
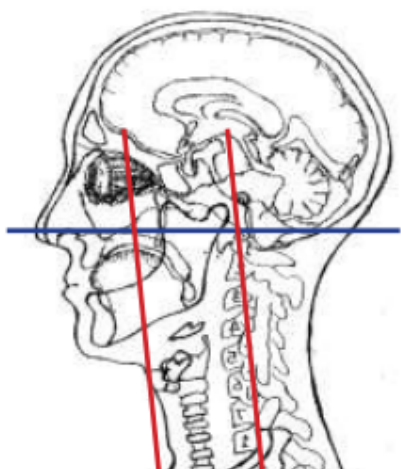
Make sure MIP 'slices' are thin minimum  
18 projections, 10 degree angle  
Name each MIP

### 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



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