

Anatomy: **Vascular & Flow**
 Sub-Anatomy: **MRA Neck W/O&W (31C)**

- Exams
 - Routine Coil: **NV Head Matrix**

| SEQUENCE – BASICS | | | | VARIABLE PARAMETERS | | | | | | | | | | | | | | |
|---------------------|---------------------------------|------------------|----------------------------|---------------------|----------|--------|--------|-----------------|----|----|-------|-------------|----|------------------|--------------|-----------------|--------------------|--|
| PLANE | SEQ | Slice / Gap (mm) | Misc / Comment | MTX | FOV (cm) | % RFOV | Scan % | Pixel size (mm) | TR | TE | FA/TI | Nex Avg Acq | NS | ETL Turbo Factor | Phase Encode | Scan TIME (min) | Pixel Shift BW-kHz | |
| ROUTINE | | | | | | | | | | | | | | | | | | |
| AX | 3D TOF MRA (non-contrast) | 2 => 1 | Bifurcation only | | 22 | | | | | | | | | | | | | |
| COR | Bolus-timed 3D TOF MRA 2-phases | 1.4 => 0.7 | Arch to above Basilar Apex | | 28 | | | | | | | | | | | | | |
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| ↓ OPTIONAL ↓ | | | | | | | | | | | | | | | | | | |
| AX | DWI | 5/0.5 | | | 22 | | | | | | | | | | | | | |
| AX | T1 | 5/0.5 | | | 22 | | | | | | | | | | | | | |

ORDERABLE: MRA NECK WO & W CONTRAST.

TIPS: MRA coverage is from aortic arch thru bifurcation for contrast scan. Only carotid bifurcations needed for non-contrast scans. If ordered with COW (27), then only need to cover from arch to skull base.

Contrast injection is Clinical dose of Gd and 20cc flush, both at 2.0cc/sec. Use FluoroTriggering for Bolus timing. 2 Dyn phases acquired: arterial & immediate 2nd phase (in case arterial phase is missed).

Reconstructions:

Non-Contrast: MIP (Left-Right rotation only, Head/Foot tumble is NOT needed).

Bolus Contrast (Arterial (1st) Phase): a) entire vasculature (2cm distal to subclavian), and b) two halves (right and left) separated and labeled (RT, LT).