

**MRV Head**

Last Updated: 12/2025

Name	Plane	Sequence	Slice	Gap	FOV	Scan Range
3-Plane Localizer	Ax, Sag, Cor					
2D TOF	Sagittal	2D TOF	2 mm	-1 mm	25	Scalp vertex to C2
3D PC	Sagittal	3D PC (VENC 10)	1 mm	0.1 mm	25	Scalp vertex to C2
<b>OPTIONAL - INJECT CONTRAST</b>						
AX POST	Axial w/ coronal recon	3D SPGR	1 mm	0 mm	25	Vertex to C2

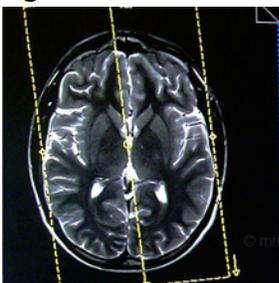
**Notes:**

- If no recent MRI (<48hrs), obtain axial T1 FSE and GRE slice/gap 4mm/0.4mm.
- Send all source TOF and PC images and post processing 3D volumetric MIPs of full volume rotating in axial and sagittal planes.
- Place saturation band below the TOF axial block to reduce arterial flow contamination.
- Contrast type- per site. Contrast dose- 0.2mL/kg
- CE-MRV use SmartPrep MR fluoro trigger with ROI in Superior sagittal sinus or 45-60 second delay post injection.
- Coronal reconstructions of post-contrast images.

**Images:**

TOF and PC- Plan sagittal block on axial and coronal planes rotated 10 off midline to reduce in plane saturation effects. (see Figures 1, 2, 3)

**Figure 1:**



**Figure 2:**



**Figure 3:**

