

Anatomy: **Vascular & Flow**

- Exams

Sub-Anatomy: **MRV Brain W/O&W (34C)**

- Routine

Coil: **Head Matrix**

SEQUENCE – BASICS				VARIABLE PARAMETERS														
PLANE	SEQ	Slice / Gap (mm)	Misc / Comment	MTX	FOV (cm)	% RFO V	Scan%	Pixel size (mm)	TR	TE	FA/TI	Nex Avg Acq	NS	ETL Turbo Factor	Phase Encode	Scan TIME (min)	Pixel Shift BW-kHz	
<b>ROUTINE</b>																		
AX	T2 FLAIR MV XD	5/0.5																
SAG	3D PCA PRE																	
SAG	3D Bolus MRV, Dry Run	2.6 => 1.3	Check acquisition before injecting bolus		22													
SAG	3D Bolus MRV, 2-phases	2.6 => 1.3	Inject contrast & flush, wait 30s, then scan. (May also use bolustrak.as optional scan)	<b>SEPARATE THE PHASES BEFORE SENDING AND MIP'ing</b>	22													
AX/SAG	3D T1 FS POST	1mm iso	POST CONTRAST															
<b>↓ OPTIONAL ↓</b>																		
COR	2D TOF MRV	1.5/0	ParaCoronal		22													

**ORDERABLE: MRV HEAD W AND WO CONTRAST.**

**TIPS:** (MRVenogram with contrast protocol) **SEPARATE THE MRV PHASES (1 AND 2) BEFORE SENDING TO PACS AND MIP'ing (ROTATE AND TILT)**

If mass involves anterior aspect of sag sinus, then this area needs to be included.

Contrast injection is Clinical dose of Gd and 20cc flush at 2.0cc/sec.

For Bolus MRV, Inject contrast & flush, wait 30 seconds, and then acquire scan.