

MRV BRAIN WITHOUT & WITH CONTRAST

Indications	Venous thrombosis, dural AV fistula, pseudotumor cerebri
Localizer	3 plane scout

PLANE	SEQUENCE	FAT SAT	MODE	SLT/SP	FOV	NOTES
Sagittal	T1		TSE	5 / 1.5	24 cm	must cover entire brain
Axial	T1		SE	5 / 1.5	24 cm	
Axial	T2		TSE	5 / 1.5	24 cm	
Axial	DWI		ADC MAP	5 / 1.5	24 cm	B0 and B1000 eADC when available
Axial	T2		GRE	5 / 1.5	24 cm	Perform your scanner equivalent
Coronal	MRV 2D TOF		2D TOF	2 / -0.5 mm	24 cm	Frontal to occipital
Axial	MRV 2D TOF		2D TOF	2 / -0.5 mm	20 cm	Skull base to vertex
Contrast injection						
Coronal + C	FLAIR		IR	5 / 1.5	24 cm	whole brain
Axial + C	T1	Y	SE	5 / 1.5	24 cm	
Sagittal + C	3D T1		FFE	5 / 1.5	24 cm	scalp to scalp, Perform your scanner equivalent, (FLASH, SPGR, T1 FAST, etc)
Coronal + C	MRV 2D TOF		2D TOF	2 / -0.5 mm	24 cm	Frontal to occipital bone
Axial + C	MRV 2D TOF		2D TOF	2 / -0.5 mm	20 cm	skull base to vertex

--MIP all MRV's in RIGHT to LEFT rotation 180 degree spin

--MIP all MRV's in Tumble rotation 180 degree spin

--Send source/raw data images