

UT Southwestern Department of Radiology

Anatomy: **Brain**

- Exams

Sub-Anatomy: **Non Contrast MS Brain(1MS)**

- Routine

Coil: **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																		
LOC	3 Plane Loc																	
AX	DWI	5/0.5		128x128	20													
AX	Neuroquant MPRAGE	1/1/1	Isotropic – SEND TO DYNASUITE		20													
SAG	3D T2 FLAIR	1/1/1	Isotropic –recon into Cor and Ax at 1mm slices		20													
AX	2D T1 FLAIR	3/0.3	** See Tips Down Below		20													
↓ OPTIONAL ↓																		
OPT AX	T2 FLAIR	3/0.3	Optional – if SAG 3D motion, please run Ax T2 FLAIR MV		20													

ORDERABLE: MR BRAIN WO CONTRAST

TIPS: * If necessary, increase the FOV just enough to fit the entire brain

**** IF Motion Artifact On 3D T1 MPRAGE, Please Run Axial 2D T2 FLAIR as a multivane or BLADE and the SAG 3D T2 FLAIR should be replace by SAG 2D T2 FLAIR****