Anatomy: **Brain** - *Exams*

Sub-Anatomy: **Brain Tumor (2BT)** - *Routine* Coil: **Head Matrix**

SEQUENCE - BASICS				VARIABLE PARAMETERS													
PLANE / ROUTINE	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
SAG	T1	5/0.5			23												
AX	DWI	5/0.5		128x128	22												
AX	T1	5/0.5			20												
AX	T2FLAIR	3/0.3			20												
AX	T2* SWI or GRE	5/0.5			20												
COR	T2FLAIR	5/0.5			23												
AX	DCE REF 1		PRE														
AX	DCE REF 2		PRE														
AX	**DCE PERFUSION 1ST BOLUS**	30 sec INJ delay	**USE 1/3 DOSE AT 4CC/SEC**														
AX	T2 Post	5/0.5															
AX	**DSC PERFUSION 2ND BOLUS**	10 sec INJ delay	**USE REMAINING 2/3 DOSE AT 4CC/SEC**														
AX	2D T1 Post	5/0.5															
COR	T1 POST	5/0.5			20												
↓OPTIONAL↓																	
AX	3D T1 FS Post																

ORDERABLE: MR BRAIN W AND WO CONTRAST.

TIPS: . This is a double bolus exam.

Try to start a 20G IV on patient. If successful, please set bolus rate at 4cc/sec followed by 20cc of saline.

-If 22G IV started on patient, please set bolus rate at 3cc/sec followed by 20cc of saline.

-If 24G IV started on patient, please set bolus rate at 2cc/sec followed by 20cc of saline.

***** 1St Perfusion scan will prep and stop. After the scan has prepped, you will start the scan and wait 30 seconds to inject 1/3 of the dose of Gadavist. The Ax T2 Post will run and the 2nd Perfusion scan will again prep and stop. Again, you will start scan and wait 10 seconds before injecting the remaining 2/3 of the dose**.