

NEURO IMAGING MIF, LLC.

PROTOCOL:

ANOSMIA

SIEMENS 3T						SIEMENS 1.5				GE 1.5				FUJI HFO 1.2			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
SAG	T1 FLAIR	24	5	1		T1	24	5	2	T1	24	5	2	T1	23	5	2
AX	SWI	26	2.5	0		SWI	24	5	2	SWI	26	2.5	0	FFE	24	5	2
AX	DWI	24	5	1		DWI	240	5	1	DWI	26	5	0	DWI	23	5	1
AX	T2 FSE	24	5	1		T2 FSE	260	5	2	T2 FSE	22	5	2	T2	23	5	1
AX	T2 FLAIR FS	24	5	1		T2 FLAIR FS	250	5	2	T2 FLAIR FS	22	5	2	T2 AX FLAIR FS	23	5	1
COR THIN	T2	18	3	1		T2	180	3	1	T2	17	3	1	T2	20	3	1
SAG THIN	T2	16	3	0.5		T2	180	3	1	T2	17	3	1	T2	18	3	1
COR THIN	T1	18	3	1		T1	180	3	1	T1	17	3	1	T1	20	3	1
AX	3D	18	1	0		3D	18	3	1.4	3D	17	1.2	0	3D	20	0.46	0
COR THIN	T1 FS	18	3	1	X	T1 FS	180	3	1	T1 FS	17	3	1	T1 FS	18	3	1
SAG THIN	T1 FS	16	3	0.5	X	T1 FS	180	3	1	T1 FS	17	3	1	T1 FS	18	3	1
AX	T1 FLAIR	24	5	1	X	T1	23	5	1	T1	22	5	2	T1	23	5	2

*MPR COR AND SAG NOSE TO BACK OF PONS

PROTOCOL:

ORBITS

SIEMENS 3T						SIEMENS 1.5				GE 1.5				FUJI HFO 1.2			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
AX *trauma only	SWI	26	2.5	0		SWI	24	5	2	SWI	26	2.5	0	FFE	24	5	2
SAG	T1 FLAIR	24	5	1		T1	24	5	1	T1	24	5	2	T1	23	5	2
AX	DWI	24	5	1		DWI	240	5	1	DWI	26	5	0	DWI	23	5	1
AX	T2 FLAIR FS	24	5	1		T2 FLAIR FS	24	5	1	T2 FLAIR FS	22	5	2	T2 FLAIR FS	23	5	1
AX	T2	24	5	1		T2	230	5	2	T2	22	5	2	T2 AX	23	5	1
AX	T2 FS	24	5	1		T2 FS	24	5	1	T2 FS	24	5	1	T2 FS	24	5	1
COR THIN	T2 FS	18	3	1		T2 FS	18	3	1	T2 FS	16	3	1	T2 FS	18	2.5	0.5
AX THIN	T2 FS	18	3	1		T2 FS	18	3	1	T2 FS	16	3	1	T2 FS	18	2.5	0.5
AX THIN	T1	18	3	1		T1	18	3	1	T1	16	3	1	T1	18	2.5	0.5
AX THIN	T1 FS	18	3	1	X	T1 FS	18	3	1	T1 FS	16	3	1	T1 FS	18	2.5	0.5
COR THIN	T1 FS	18	3	1	X	T1 FS	18	3	1	T1 FS	16	3	1	T1 FS	18	2.5	0.5
AX	T1 FLAIR	24	5	1	X	T1	23	5	1	T1	22	5	2	T1	23	5	2

PROTOCOL:

TRIGEMINAL

SIEMENS 3T						SIEMENS 1.5				GE 1.5				FUJI HFO 1.2			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
AX *trauma only	SWI	26	2.5	0		SWI	24	5	2	SWI	26	2.5	0	FFE	24	5	2
AX	DWI	24	5	1		DWI	24	5	1	DWI	26	5	0	DWI	23	5	1
SAG	T1 FLAIR	24	5	1		T1	24	5	1	T1	24	5	2	T1	23	5	2
AX	3D	18	1.4	0		3D	16	1.4	0	3D	18	1.2	0	3D	16	1.4	0
AX	T2	24	5	1		T2	26	5	2	T2	22	5	2	T2	23	5	1
AX	T2 FLAIR FS	24	5	1		T2 FLAIR FS	25	5	2	T2 FLAIR FS	22	5	2	T2 FLAIR FS	23	5	1
COR	T2 FLAIR FS	24	5	1		T2 FLAIR FS	19	5	1	T2 FLAIR FS	22	5	2	T2 FLAIR FS	19	5	1
AX THIN	T1	18	3	1		T1	20	3	1	T1	16	2.5	0.5	T1	30	3	1
AX THIN	T1 FS	18	3	1	X	T1 FS	20	3	1	T1 FS	16	2.5	0.5	T1 FS	20	3	1
COR THIN	T1 FS	18	3	1	X	T1 FS	18	3	1	T1 FS	16	3	1	T1 FS	20	3	1
AX	3D	24	0.9	0	X	3D	24	1.6	0	3D	28	1.2	0	3D	23	1.1	0
AX	T1	24	5	1	X	T1	24	5	1	T1	24	5	1				

*MPR COR AND SAG

NOTE: Label 3D Axial post brain sequence "3D AX Post"

PROTOCOL:

IAC

SIEMENS 3T						SIEMENS 1.5				GE 1.5				FUJI HFO 1.2			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
AX *trauma only	SWI	26	2.5	0		SWI	24	5	2	SWI	26	2.5	0	FFE	24	5	2
AX	DWI	24	5	1		DWI	24	5	1	DWI	26	5	0	DWI	23	5	1
SAG	T1 FLAIR	24	5	1		T1	24	5	2	T1	24	5	2	T1	23	5	2
AX	3D	18	1	0		3D	16	1.6	0	3D	18	1.2	0	3D	12	0.46	0
AX	T2	24	5	1		T2	25	5	2	T2	22	5	2	T2	23	5	1

*MPR COR BILAT, RIGHT AND LEFT

AX THIN	T1	18	3	0.2		T1	16	3	0.2	T1	17	3	0.2	T1	12	3	0.3
AX THIN	T1	18	3	0.2	X	T1	16	3	0.2	T1	17	3	0.2	T1	12	3	0.3
AX	T2 FLAIR FS	24	5	1	X	T2 FLAIR FS	24	5	2	T2 FLAIR FS	22	5	2	T2 FLAIR FS	23	5	1
COR THIN	T1	18	3	0.2	X	T1	15	3	0.2	T1	17	3	0.2	T1	12	3	0.3
AX	T1 FLAIR	24	5	1	X	T1	23	5	1	T1	22	5	2	T1	23	5	2

PROTOCOL: CHOLESTEATOMA -3T only

IAC **SIEMENS 3.0**

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
AX *trauma only	SWI	26	2.5	0	
AX	DWI	24	5	1	
AX	DWI BLADE				
SAG	T1 FLAIR	24	5	1	
AX	3D	18	1	0	
AX	BLADE	24	5	1	
AX THIN	T1	18	3	0.2	
AX THIN	T1	18	3	0.2	X
AX	T2 FLAIR FS	24	5	1	X
COR THIN	T1	18	3	0.2	X
AX	T1 FLAIR	24	5	1	X

through IAC

PROTOCOL:

PITUITARY **SIEMENS 3T** **SIEMENS 1.5** **GE 1.5** **FUJI HFO 1.2**

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
AX	SWI	26	2.5	0		SWI	24	5	2	SWI	26	2.5	0	FFE	24	5	2
AX	DWI	24	5	1		DWI	24	5	1	DWI	24	5	1	DWI	23	5	1
SAG	T1 FLAIR	24	5	1		T1	24	5	2	T1	24	5	2	T1	23	5	2
AX	T2	24	5	1		T2	24	5	2	T2	24	5	2	T2	23	5	1
AX	T2 FLAIR FS	24	5	1		T2 FLAIR FS	24	5	2	T2 FLAIR FS	22	5	2	T2 FLAIR FS	23	5	1
COR THINS	T2 FRFSE	15	3	0.3		T2	18	3	0.3	T2	16	3	0.3	T2	20	3	0
COR DYNAMIC	T1	18	2.5	0.3	X	T1	15	3	0.3	T1	16	3	0.3	T1	15	3	0.3
COR	T1	15	3	0.3	X	T1	18	3	0.3	T1	16	3	0.3	T1	15	3	0.5
SAG	T1	15	3	0.3	X	T1	13	3	0.3	T1	16	3	0.3	T1	15	3	0.3
AX	T1 FLAIR	24	5	1	X	T1	22	5	1	T1	22	5	2	T1	23	5	2
AX	T1 3D	24	0.9	0	X	T1 3D	24	1.6	0	T1 3D	28	1.2	0	T1 3D	23	1.1	0
AX	T1 SE	24	5	1	X	T1 SE	24	5	1	T1 SE	24	5	1				

PROTOCOL:

PINEAL **SIEMENS 3T** **SIEMENS 1.5** **GE 1.5** **FUJI HFO 1.2**

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
SAG	T1	24	5	1		T1	24	5	2	T1	24	5	2	T1	23	5	2
AX	SWI	26	2.5	0		SWI	24	5	2	SWI	26	2.5	0	FFE	23	5	1
AX	DWI	24	5	1		DWI	24	5	1	DWI	24	5	1	DWI	23	5	1
AX	T2	24	5	1		T2	26	5	2	T2	26	5	2	T2	26	5	2
AX	T2 FLAIR FS	24	5	1		T2 FLAIR FS	25	5	2	T2	25	5	2	T2 FLAIR FS	23	5	1
AX	T1 FLAIR	24	5	1		T1	24	5	2	T1	24	5	2	T1	23	5	1
AX THIN	T1	20	3	1		T1	20	3	0.3	T1	20	3	0	T1	20	2.5	0.5
SAG THIN	T2	18	3	1		T2	20	3	0.3	T2	16	3	1	T2	20	2.5	0.5
AX THIN	T1	20	3	1	X	T1	20	3	0.3	T1	20	3	0	T1	20	2.5	0.5
SAG THIN	T1	20	3	1		T1	20	3	0.3	T1	20	3	0	T1	20	2.5	0.5
AX	T1 FLAIR	24	5	1	X	T1	23	5	1	T1	22	5	2	T1	23	5	2

PROTOCOL: ROUTINE

BRAIN W.O **SIEMENS 3T** **SIEMENS 1.5** **GE 1.5** **FUJI HFO 1.2**

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
SAG	T1 FLAIR	24	5	1		T1	24	5	2	T1	24	5	2	T1	23	5	2
AX	SWI	26	2.5	0		FFE	24	5	2	SWI	26	2.5	0	T2 AX FFE	23	5	1
AX	T2	24	5	1		T2	24	5	2	T2	25	5	2	T2	23	5	1
AX	DWI	24	5	1		DWI	24	5	1	DWI	24	5	1	DWI	23	5	1
AX	T2 FLAIR FS	24	5	1		T2 FLAIR FS	25	5	2	T2 FLAIR FS	25	5	2	T2 FLAIR FS	23	5	1
COR	T2 FLAIR FS	24	5	1		T2 FLAIR FS	20	5	2	T2 FLAIR FS	25	5	2	T2 FLAIR FS	23	5	1

PROTOCOL: BASELINE AMYLOID BRAIN 1.5T ONLY

IMAGE PLANE	SIEMENS 1.5				GE 1.5			
	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	ICE TH	GAP
SAG	T1	24	5	2	T1	24	5	2
AX	FFE/SWI	24	5	2	SWI	26	2.5	0
AX	T2	24	5	2	T2	25	5	2
AX	DWI	24	5	1	DWI	24	5	1
AX	T2 FLAIR FS	25	5	2	T2 FLAIR FS	25	5	2
COR	T2 FLAIR FS	20	5	2	T2 FLAIR FS	25	5	2
AX	T1 3D	24	1.6	0	T1 3D	28	1.2	0

PROTOCOL: FOLLOW UP AMYLOID BRAIN 1.5T ONLY

IMAGE PLANE	SIEMENS 1.5				GE 1.5			
	PULSE SEQ	FOV	ICE TH	GAP	PULSE SEQ	FOV	SLICE THK	GAP
SAG	T1	24	5	2	T1	24	5	2
AX	FFE/SWI	24	5	2	SWI	26	2.5	0
AX	T2	24	5	2	T2	25	5	2
AX	DWI	24	5	1	DWI	24	5	1
AX	T2 FLAIR FS	25	5	2	T2 FLAIR FS	25	5	2
COR	T2 FLAIR FS	20	5	2	T2 FLAIR FS	25	5	2

PROTOCOL: DEMENTIA BRAIN PROTOCOL - 1.5T ONLY

IMAGE PLANE	SIEMENS 1.5				GE 1.5			
	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	ICE TH	GAP
SAG	T1	24	5	2	T1	24	5	2
AX	FFE/SWI	24	5	2	SWI	26	2.5	0
AX	T2	24	5	2	T2	25	5	2
AX	DWI	24	5	1	DWI	24	5	1
AX	T2 FLAIR FS	25	5	2	T2 FLAIR FS	25	5	2
COR	T2 FLAIR FS	20	5	2	T2 FLAIR FS	25	5	2
AX	T1 3D	24	1.6	0	T1 3D	28	1.2	0

SEIZURE

IMAGE PLANE	SIEMENS 3T				SIEMENS 1.5				GE 1.5				FUJI HFO 1.2				
	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
SAG	T1 FLAIR	24	5	1		T1	24	5	2	T1	24	5	2	T1	23	5	2
AX	SWI	26	2.5	0		SWI	24	5	2	SWI	26	2.5	0	FFE	23	5	1
AX	T2	24	5	1		T2	24	5	2	T2	24	5	2	T2	23	5	1
AX	DWI	24	5	1		DWI	24	5	1	DWI	24	5	1	DWI	23	5	1
AX	T2 FLAIR FS	24	5	1		T2 FLAIR FS	24	5	2	T2 FLAIR FS	24	5	2	T2 FLAIR FS	23	5	1
COR	T2 FLAIR FS	24	5	1		T2 FLAIR FS	20	5	2	T2 FLAIR FS	22	5	1	T2 FLAIR FS	23	5	1
COR THIN	T2	22	3	0.5		T2	18	3	1	T2	18	3	1	T2	20	3	0
COR IR*	T1 FLAIR	22	3	0.5		T1 FLAIR*	19	4	1	T1 IR *	22	4	1	T1 IR *	22	4	1

*RUN ON PEDIATRICS 18 YRS OR YOUNGER

PROTOCOL: PT MOVING
BRAIN W/O SIEMENS 3.0

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
SAG	T1	24	5	1	
AX	SWI	26	2.5	0	
AX	T2	24	5	1	
AX	DWI	24	5	1	
AX	T2 FLAIR FS	24	5	1	
COR	T2 FLAIR FS	24	5	1	

PROTOCOL: ROUTINE
BRAIN W/O SIEMENS 3T

SIEMENS 3T						SIEMENS 1.5				GE 1.5				FUJI HFO 1.2			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
AX	SWI	26	2.5	0		SWI	24	5	2	SWI	26	2.5	0	FFE	23	5	1
AX	DWI	24	5	1		DWI	24	5	2	DWI	24	5	1	DWI	23	5	1
SAG	T1 FLAIR	24	5	1		T1	24	5	2	T1	24	5	2	T1	23	5	2
AX	T2	24	5	1		T2	24	5	2	T2	24	5	2	T2	23	5	1
AX	T1 FLAIR	24	5	1		T1	24	5	2	T1	24	5	2	T1	23	5	2
AX	T2 FLAIR FS	24	5	1	X	T2 FLAIR FS	24	5	2	T2 FLAIR FS	24	5	2	T2 FLAIR FS	23	5	1
COR	T2 FLAIR FS	24	5	1	X	T2 FLAIR FS	20	5	1	T2 FLAIR FS	20	5	1	T2 FLAIR FS	23	5	1
AX	T1 3D	24	0.9	0	X	T1 3D	24	1.6	0	T1 3D	28	1.2	0	T1 3D	23	1.1	0
AX	T1 SE	24	5	1	X	T1 SE	24	5	2	T1 SE	24	5	2	T1 SE	24	5	2
OPT SAG	T1	24	5	1	X	T1	24	5	2								
OPT COR	T1	24	5	1	X	T1	23	5	2								

NOTE: Label 3D Axial post brain sequence "3D AX Post"

PROTOCOL: UVA
BRAIN W/O SIEMENS 3T

SIEMENS 3T						SIEMENS 1.5				GE 1.5			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
AX	SWI	26	2.5	0		FFE	24	5	2	SWI	26	2.5	0
AX	DWI	24	5	1		DWI	24	5	1	DWI	24	5	1
SAG	T1 FLAIR	24	5	1		T1	24	5	1	T1	24	5	1
AX	T2	24	5	0.5		T2	24	5	0.5	T2	24	5	0.5
AX	T1	24	3	0		T1	24	3	0	T1	20	3	0
COR	T1	24	3	0		T1	24	3	0	T1	20	3	0
AX	T2 FLAIR FS	24	5	1		T2 FLAIR FS	24	5	2	T2 FLAIR FS	20	5	0.5
COR	T2 FLAIR FS	24	5	1		T2 FLAIR FS	20	5	1	T2 FLAIR FS	20	5	1
AX	T1	24	3	0	X	T1	24	3	0	T1	20	3	0
COR	T1	24	3	0	X	T1	24	3	0	T1	20	3	0
SAG	T1	24	3	0	X								

PROTOCOL: **BRAIN LAB** SIEMENS 3T

SIEMENS 3T						SIEMENS 1.5				GE 1.5			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
AX FSPGR	T1 3D	26	0.9	0		T1 3D	25	1.6	0	T1 3D	28	1.2	0
AX FSPGR	T1 3D	26	0.9	0	X	T1 3D	25	1.6	0	T1 3D	28	1.2	0

NOTE: Label 3D Axial post brain sequence "3D AX Post"

*IF A FULL BRAIN W/O HAS NOT BEEN COMPLETED WITHIN THE LAST 30 DAYS, PLEASE PERFORM A BRAIN W/O IN ADDITION TO THE 3D PRE/POST.

T1 AND T2
BRAIN LAB SIEMENS 3T

SIEMENS 3T						SIEMENS 1.5				GE 1.5			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ	FOV	SLICE THK	GAP
SAG SPACE	T2	26	1	0		T2	25	1	0	T2	25	1	0
AX FSPGR	T1 3D	26	0.9	0		T1 3D	25	1.6	0	T1 3D	28	1.2	0
AX FSPGR	T1 3D	26	0.9	0	X	T1 3D	25	1.6	0	T1 3D	28	1.2	0

NOTE: Label 3D Axial post brain sequence "3D AX Post"

*IF A FULL BRAIN W/O HAS NOT BEEN COMPLETED WITHIN THE LAST 30 DAYS, PLEASE PERFORM A BRAIN W/O IN ADDITION TO THE 3D PRE/POST.

ORBIT/SKULL BASE/NASOPHARYNX

BRAIN LAB SIEMENS 3T

SIEMENS 1.5

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+		PULSE SEQ	FOV	SLICE THK	GAP
SAG	T1 FLAIR	24	5	2			T1	24	5	2
AX FSPGR	T1	26	1	0			T1 3D FFE	25	1.6	0
AX FSPGR	T1 3D FS	26	1	0			T1 3D FS	25	1.6	0

*IF A FULL BRAIN W/O HAS NOT BEEN COMPLETED WITHIN THE LAST 30 DAYS, PLEASE PERFORM A BRAIN W/O IN ADDITION

M.S.

BRAIN W.WO		SIEMENS 3T				SIEMENS 1.5				GE 1.5				FUJI HFO 1.2							
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+		PULSE SEQ	FOV	SLICE THK	GAP		PULSE SEQ	FOV	SLICE THK	GAP		PULSE SEQ	FOV	SLICE THK	GAP	
SAG	T1 FLAIR	24	5	1			T1	24	5	2		T1	24	5	2		T1	23	5	2	
AX *trauma only	SWI	26	2.5	0			SWI	24	5	2		SWI	24	5	2		FFE	24	5	2	
AX	DWI	24	5	1			DWI	24	5	1		DWI	24	5	1		DWI	23	5	1	
AX FRFSE	T2	24	5	1			T2	24	5	1		T2	22	5	2		T2	23	5	1	
AX	T1 FLAIR	24	5	1			T1	24	5	1		T1	22	5	2		T1	23	5	2	
SAG	T2 FLAIR FS	24	1.2	0	X		T2 FLAIR FS	24	1.2	0	X	T2 FLAIR FS	24	1.2	0	X	T2 FLAIR FS	24	1.2	0	X
AX (IF MOTION)	T2 FLAIR FS				X		T2 FLAIR FS	24	5	1		T2 FLAIR FS	28	1.2	0		T2 FLAIR FS	23	5	1	C+
SAG (IF MOTION)	T2 FLAIR FS				X		T2 FLAIR FS	24	5	2		T2 FLAIR FS	22	5	2		T2 FLAIR FS	23	5	1	C+
AX	T1 3D	24	0.9	0	X		T1 3D	24	1.6	0		T1 3D	28	1.2	0		T1 AX 3D	23	1.1	0	C+
AX	T1 SE	24	5	1	X		T1 SE	24	5	2		T1 SE	24	5	2		T1 SE	24	5	2	C+

NOTE: Label 3D Axial post brain sequence "3D AX Post"

PROTOCOL: M.S.WITH ORBITS

BRAIN W.WO		SIEMENS 3T				SIEMENS 1.5				GE 1.5				FUJI HFO 1.2							
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+		PULSE SEQ	FOV	SLICE THK	GAP		PULSE SEQ	FOV	SLICE THK	GAP		PULSE SEQ	FOV	SLICE THK	GAP	
SAG	T1 FLAIR	24	5	1			T1	24	5	2		T1	24	5	2		T1	23	5	2	
AX *trauma only	SWI	26	2.5	0			SWI	24	5	2		SWI	24	5	2		FFE	24	5	2	
AX	DWI	24	5	1			DWI	24	5	1		DWI	24	5	1		DWI	23	5	1	
AX FRFSE	T2	24	5	1			T2	24	5	1		T2	22	5	2		T2	23	5	1	
AX	T1 FLAIR	24	5	1			T1	24	5	1		T1	22	5	2		T1	23	5	2	
COR THIN	T2 FS	18	3	1			T2 FS	18	3	1		T2 FS	16	3	1		T2 FS	18	2.5	0.5	
AX THIN	T2 FS	18	3	1			T2 FS	18	3	1		T2 FS	16	3	1		T2 FS	18	2.5	0.5	
AX THIN	T1	18	3	1			T1	18	3	1		T1	16	3	1		T1	18	2.5	0.5	
SAG	T2 FLAIR FS	24	1.2	0	X		T2 FLAIR FS	24	1.2	0	X	T2 FLAIR FS	24	1.2	0	X	T2 FLAIR FS	24	1.2	0	X
AX (IF MOTION)	T2 FLAIR FS				X		T2 FLAIR FS	24	5	1		T2 FLAIR FS	28	1.2	0		T2 FLAIR FS	23	5	1	C+
SAG (IF MOTION)	T2 FLAIR FS				X		T2 FLAIR FS	24	5	2		T2 FLAIR FS	22	5	2		T2 FLAIR FS	23	5	1	C+
AX	T1 3D	24	0.9	0	X		T1 3D	24	1.6	0		T1 3D	28	1.2	0		T1 3D	23	1.1	0	C+
AX THIN	T1 FS	18	3	1	X		T1 FS	18	3	1		T1 FS	16	3	1		T1 FS	18	2.5	0.5	C+
COR THIN	T1 FS	18	3	1	X		T1 FS	18	3	1		T1 FS	16	3	1		T1 FS	18	2.5	0.5	C+

NOTE: Label 3D Axial post brain sequence "3D AX Post"

SIEMENS 3T		SIEMENS 1.5				GE 1.5				FUJI HFO 1.2										
PROTOCOL:																				
BRAIN CSF FLOW																				
SAG	CSF_PCA					SAG	CSF_PCA			SAG	CSF_PCA			SAG	CSF_PCA					

*ONLY RUN IF REQUESTED ON PHYSICIANS ORDER