

NEURO IMAGING MIF, LLC.

PROTOCOL:

ANOSMIA

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	C+	PULSE SEQ		FOV	SLICE THK	GAP	C+	PULSE SEQ		FOV	SLICE THK	GAP	C+					
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	C+					
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	C+					
SAG THIN		T1 FS	16	3	0.5	X	T1 FS		180	3	1		T1 FS		17	3	1		T1 FS		18	3	1	C+					
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

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

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												

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

*MPR COR AND SAG

PROTOCOL:

IAC

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			
AX THIN	T1	18	3	0.2		T1	16	3	0.2	T1	17	3	0.2	T1	12	3	0.3			

*MPR COR BILAT, RIGHT AND LEFT

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

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	C+
COR	T1	15	3	0.3	X		T1	18	3	0.3		T1	16	3	0.3		T1	15	3	0.5	C+
SAG	T1	15	3	0.3	X		T1	13	3	0.3		T1	16	3	0.3		T1	15	3	0.3	C+
AX	T1 FLAIR	24	5	1	X		T1	22	5	1		T1	22	5	2		T1	23	5	2	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	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	C+
SAG THIN	T1	20	3	1			T1	20	3	0.3		T1	20	3	0		T1	20	2.5	0.5	C+
AX	T1 FLAIR	24	5	1	X		T1	23	5	1		T1	22	5	2		T1	23	5	2	C+

PROTOCOL:

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	PULSE SEQ		FOV	SLICE THK	GAP		
SAG		T1 FLAIR		24	5	1		T1		24	5	2	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	T2 AX FFE		23	5	1		
AX		T2		24	5	1		T2		24	5	2	T2		25	5	2	T2		23	5	1	T2		23	5	1		
AX		DWI		24	5	1		DWI		24	5	1	DWI		24	5	1	DWI		23	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	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	T2 FLAIR FS		23	5	1		

PROTOCOL: AMYLOID BRAIN 1.5T ONLY

BRAIN W.O **SIEMENS 1.5** **GE 1.5**

IMAGE PLANE	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

PROTOCOL: DEMENTIA BRAIN PROTOCOL - 1.5T ONLY

BRAIN W.O

SIEMENS 1.5

GE 1.5

IMAGE PLANE	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

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	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.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
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.WO](#)

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 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 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

PROTOCOL: All Sites		WO MRA Recon: Yes and No View (entire COW)			
<u>MRA BRAIN</u>		SIEMENS 3.0			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
SAG LOC	PC	35	60	0	
AX 3D	TOF	20	1.6		

PROTOCOL: MINS ONLY		W.WO MRA Recon: Yes and No View (entire COW)			
<u>MRA BRAIN</u>		SIEMENS 3.0			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
SAG LOC	PC	35	60	0	
AX 3D	TOF	20	1.6		
TRICKS	SAG	26	2.2	0	X

PROTOCOL: All Sites		WO MRV Recon: Yes and No View			
<u>MRV BRAIN</u>		SIEMENS 3.0			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
SAG 3D	INHANCE	24	1.2	0	

PROTOCOL: All Sites		W/ MRV Recon: Yes and No View			
<u>MRV BRAIN</u>		SIEMENS 3.0			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
SAG 3D	TOF,SPGR	30	1.4	0	X
AX	BRAVO	24	0.9	0	X

PROTOCOL: All Sites		W/WO - F/U Chronic Thrombus (Radiologist Preferred) MRV Recon: Yes and No View			
<u>MRV BRAIN</u>		SIEMENS 3.0			
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
SAG	T1 FLAIR	24	5	1	
AX	SWI	26	2.5	0	
AX PROP	T2	24	5	1	
SAG 3D	INHANCE	24	1.2	0	
SAG 3D	TOF,SPGR	30	1.4	0	X
AX	MPRAGE	24	0.9	0	X
AX	SWI	26	2.5	0	

PROTOCOL: Siemens 1.5T and 3T, MINS		Carotid Recon: Full View, Rt and Lt Carotid, Bifurcations (turn), Axial MPR entire Carotids			
<u>MRA CAROTID W/O</u>					
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
3D BIFURCATIONS					
COR 3D MRA CAROTIDS					
OPTIONAL 2D TOF					

PROTOCOL: All Sites Carotid		Recon: Full View, Rt and Lt Carotid, Bifurcations (turn), Axial MPR entire Carotids			
<u>CE CAROTID ACR W/WO</u>					
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+

PROTOCOL: N/A IN OUTPATIENT

W/O

[illegible]

SIEMENS 1.5

PULSE SEQ	FOV	SLICE THK	GAP
T1	24	5	2
TOF	21	1.2	0

GE 1.5

PULSE SEQ	FOV
T1	24
TOF	20

SIEMENS 1.5

PULSE SEQ	FOV	SLICE THK	GAP
3D PCA	21	2	0

GE 1.5

PULSE SEQ	FOV
INHANCE	24

SIEMENS 1.5

PULSE SEQ	FOV	SLICE THK	GAP
SAG 3D	25	1.1	0
T1 3D FFE	24	1.6	0

GE 1.5

PULSE SEQ	FOV
TOF	30
T1 3D FSPGR	26

SIEMENS 1.5

PULSE SEQ	FOV	SLICE THK	GAP
T1	24	5	2
FFE	24	5	2
T2	24	5	2
3D PCA	21	2	0
SAG 3D	25	1.1	0
T1 3D FFE	24	1.6	0
FFE	24	5	2

GE 1.5

PULSE SEQ	FOV
T1	24
SWI	26
T2	24
INHANCE	24
TOF	30
T1 3D FSPGR	26
SWI	26

Carotid Recon: Full View, Rt and Lt Carotid, Bifurcations (turn), Axial MPR entire Carotids

PROTOCOL: MINS ONLY Recon: Yes and No View of bilateral renal arteries

NON CON MRA RENAL ACR W/ O

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
AX	BTFE				
COR	BTFE				
BTFE RENAL					C+
3D PCA DGS					C+

PROTOCOL:

NON CON MRA CHEST

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+

FUJI 1.2

SLICE THK	GAP		PULSE SEQ	FOV	SLICE THK	GAP
5	2		T1 SAG	23	5	2
1.2	0		TOF AX 3D	18	0.45	0

FUJI 1.2

SLICE THK	GAP		PULSE SEQ	FOV	SLICE THK	GAP
1.4	0					

FUJI 1.2

SLICE THK	GAP		PULSE SEQ	FOV	SLICE THK	GAP
1.5	0					
2	0					

FUJI 1.2

SLICE THK	GAP		PULSE SEQ	FOV	SLICE THK	GAP	
5	2		T1 SAG	23	5	2	
2.5	0		T2 AX FFE	23	5	1	
5	2		T2 AX	23	5	1	
1.4	0		3D PCA	21	2	0	
1.5	0		SAG 3D	25	1.1	0	C+
2	0		T1 AX 3D	23	1.1	0	C+
2.5	0		T2 AX FFE	23	5	1	

****Run T1 Coronal for scoliotic patients on all spines**

PROTOCOL: **ROUTINE**

CERVICAL	SIEMENS 3.0					SIEMENS 1.5				GE 1.5				FUJI 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	T2 FRFSE	20	3	1		T2 TSE	19	3	1	T2 FRFSE	21	3	1	T2 TSE	16	3	1
SAG	T1 FLAIR	20	3	1		T1 TSE	19	3	1	T1 FSE	21	3	1	T2 SPIR	16	3	1
AX	MEDIC	18	3	1		T2 FFE	15	3	1	2D MERGE	17	3	1	ADAGE	16	3	1
AX	T2 FRFSE	18	3	1		T2 TSE	15	3	1	T2 FRFSE	17	3	1	T2 TSE	15	3	1
SAG	T2 STIR	20	3	1		T2 SPIR	19	3	1	T2 FSE FS	21	3	1	T1 TSE	15	3	1

*** CSF may be requested on prescription if Chiari Malformation is suspected.

PROTOCOL: **M.S.- myelopathy** FOV: **Begin at C1 FOR AXIALS**

CERVICAL	SIEMENS 3.0					SIEMENS 1.5				GE 1.5				FUJI 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	T2 FRFSE	20	3	1		T2 TSE	19	3	1	T2 FRFSE	21	3	1	T2 TSE	16	3	1
SAG	T2 STIR	20	3	1		T2 FSAT	19	3	1	T2 FSE FS	21	3	1	T2 FS	16	3	1
SAG	PD FRFSE	20	3	1		PD TSE	19	3	1	PD FRFSE	21	3	1	PD TSE	16	3	1
SAG	T1 FLAIR	20	1	1		T1 TSE	19	3	1	T1 FSE	21	3	1	T1 TSE	16	3	1
AX	2D MEDIC	18	3	1	X	T2 FFE	16	3	1	2D MERGE	17	3	1	T2 FFE ADAGE	15	3	1
AX	T2	18	3	1	X	T2 TSE	16	3	1	T2 FRFSE	17	3	1	T2 TSE	15	3	1
SAG	T1 FLAIR	20	3	1	X	T1 TSE	19	3	1	T1 FSE C+	21	3	1	T1 TSE	16	3	1
AX	T1	18	3	1	X	T1 TSE	16	3	1	T1 FSE C+	17	3	1	T1 TSE	15	3	1

PROTOCOL: **Surgical** FOV: **Begin at C2**

CERVICAL	SIEMENS 3.0					SIEMENS 1.5				GE 1.5				FUJI 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	T2 FRFSE	20	3	1		T2 TSE	19	3	1	T2 FRFSE	21	3	1	T2 TSE	16	3	1
SAG	T2 STIR	20	3	1		T2 FSAT	19	3	1	T2 FSE FS	21	3	1	T2 FS	16	3	1
SAG	T1 FLAIR	20	1	1		T1 TSE	19	3	1	T1 FSE	21	3	1	T1 TSE	16	3	1
AX	2D MEDIC	18	3	1		2D MEDIC	16	3	1	2D MERGE	17	3	1	T2 FFE ADAGE	15	3	1
AX	T2	18	3	1		T2 TSE	16	3	1	T2 FRFSE	17	3	1	T2 TSE	15	3	1
SAG	T1 FLAIR	20	3	1	X	T1 TSE	19	3	1	T1 FSE C+	21	3	1	T1 TSE	16	3	1
AX	T1	18	3	1	X	T1 TSE	16	3	1	T1 FSE C+	17	3	1	T1 TSE	15	3	1

PROTOCOL: **METS- osteomyelitis**

CERVICAL	SIEMENS 3.0					SIEMENS 1.5				GE 1.5				FUJI 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	T2 FRFSE	20	3	1		T2 TSE	19	3	1	T2 FRFSE	21	3	1	T2 TSE	16	3	1
SAG	T1 FLAIR	20	3	1		T1 TSE	19	3	1	T1 FSE	21	3	1	T2 FS	16	3	1
SAG	T2 STIR	20	3	1		T2 FSAT	19	3	1	T2 FRFSE FS	21	3	1	T1 TSE	16	3	1
AX	2D MEDIC	18	3	1		2D MEDIC	16	3	1	2D MERGE	17	3	1	T2 FFE ADAGE	15	3	1
AX	T2 FRFSE	18	3	1		T2 TSE	16	3	1	T2 FRFSE	17	3	1	T2 TSE	15	3	1
SAG FS	T1 FLAIR	20	3	1	X	T1 TSE C+	19	3	1	T1 FSE FS C+	21	3	1	T1 FS	16	3	1
AX FS	T1	18	3	1	X	T1 TSE FS C+	16	3	1	T1 FSE FS C+	17	3	1	T1 FS	15	3	1

PROTOCOL: **ROUTINE**

THORACIC	SIEMENS 3.0					SIEMENS 1.5				GE 1.5				FUJI 1.2			
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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 COUNTER	T1 FLAIR	48	3	3		T1 TSE	45	6	1	T1 FSE	48	4	1	T1 TSE	45	6	0.6
SAG	T1 FLAIR	30	4	1		T1 TSE	30	4	1	T1 FSE	32	4	1	T1 TSE	32	4	1
SAG	T2 FRFSE	30	4	1		T2 TSE	30	4	1	TS FRFSE	32	4	1	T2 TSE	32	4	1
SAG	T2 STIR	30	4	1		T2 TSE FSAT	30	4	1	T2 FSE FS	32	4	1	T2 FS	32	4	1
AX	T2 FRFSE	20	4	1		T2 TSE	21	4	1	T2 FRSFE	30	4	1	T2 TSE	20	4	1
AX	MEDIC	20	4	1		T2 FFE	21	3	1	T/2D MERGE	16	3	1	PBSG AX	20	4	1

*BOTTOM 6 vertebrae

PROTOCOL: M.S.- myelopathy

THORACIC	SIEMENS 3.0					SIEMENS 1.5				GE 1.5				FUJI 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 COUNTER	T1 FLAIR	48	3	3		T1 TSE	45	6	1	T1 FSE	48	3	1	T1 TSE	45	6	0.6
SAG	T1 FLAIR	30	4	1		T1 TSE	30	4	1	T1 FSE	32	4	1	T1 TSE	32	3.5	1
SAG	T2 FRFSE	30	4	1		T2 TSE	30	4	1	TS FRFSE	32	4	1	T2 TSE	32	3.5	1
SAG	PD FSE	30	4	1		PD TSE	30	4	1	PD FSE	32	4	1	PD TSE	32	3.5	1
SAG	T2 STIR	30	4	1		T2 TSE FSAT	30	4	1	T2 FSE FS	32	4	1	T2 FS	32	3.5	1
AX	T2 FRFSE	20	4	1	X	T2 TSE	20	4	1	T2 FRSFE	20	4	1	T2 TSE	20	4	1
AX	MEDIC	20	4	1		T2 FFE DISC	20	3	1	T/2D MERGE	16	3	1	PBSG AX	20	4	1
AX	T1	20	4	1	X	T1 TSE C+	20	4	1	T1 FSE C+	20	4	1	T1 TSE C+	32	4	1
SAG	T1 FLAIR	30	4	1	X	T1 TSE C+	30	30	1	T1 FSE C+	32	3	1	T1 TSE AX C+	20	4	1

*BOTTOM 6 vertebrae

*BOTTOM 6 vertebrae

PROTOCOL: Surgical

THORACIC	SIEMENS 3.0					SIEMENS 1.5				GE 1.5				FUJI 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 COUNTER	T1 FLAIR	48	3	3		T1 TSE	45	6	1	T1 FSE	48	3	1	T1 TSE	45	6	0.6
SAG	T1 FLAIR	30	4	1		T1 TSE	30	4	1	T1 FSE	32	4	1	T1 TSE	32	3.5	1
SAG	T2 FRFSE	30	4	1		T2 TSE	30	4	1	TS FRFSE	32	4	1	T2 TSE	32	3.5	1
SAG	T2 STIR	30	4	1		T2 TSE FSAT	30	4	1	T2 FSE FS	32	4	1	T2 FS	32	3.5	1
AX	T2 FRFSE	20	4	1		T2 TSE	20	4	1	T2 FRSFE	20	4	1	T2 TSE	20	4	1
AX	MEDIC	20	4	1		MEDIC	20	3	1	T/2D MERGE	16	3	1	PBSG AX	20	4	1
AX	T1	20	4	1	X	T1 TSE C+	20	4	1	T1 FSE C+	20	4	1	T1 TSE C+	32	4	1
SAG	T1 FLAIR	30	4	1	X	T1 TSE C+	30	30	1	T1 FSE C+	32	3	1	T1 TSE AX C+	20	4	1

PROTOCOL: METS- osteomyelitis

THORACIC	SIEMENS 3.0					SIEMENS 1.5				GE 1.5				FUJI 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 COUNTER	T1 FLAIR	48	3	3		T1 TSE	45	6	1	T1 FSE	48	4	1	T1 TSE	45	6	0.6
SAG	T1 FLAIR	30	4	1		T1 TSE	30	4	1	T1 FSE	32	4	1	T1 TSE	32	3.5	1
SAG	T2 FRFSE	30	4	1		T2 TSE	30	4	1	TS FRFSE	32	4	1	T2 TSE	32	3.5	1
SAG	T2 STIR	30	4	1		T2 TSE FSAT	30	4	1	T2 FSE FS	32	4	1	T2 FS	32	3.5	1
AX	T2 FRFSE	20	4	1		T2 TSE	20	4	1	T2 FRSFE	20	4	1	T2 TSE	20	4	1
SAG FS	T1 FLAIR	30	4	1	X	T1 TSE FS C+	30	4	1	T1 FSE FS C+	32	4	1	T1 FS C+	32	4	1
AX FS	T1	20	4	1	X	T1 TSE FS C+	20	4	1	T1 FSE FS C+	20	4	1	T1 FS C+	20	4	1

PROTOCOL: ROUTINE Axial scout images should include the inferior kidneys to the L5-S1 level

LUMBAR	SIEMENS 3.0					SIEMENS 1.5					GE 1.5					FUJI 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			

* ADD T1 COR FOR SCOLIOSIS

* ADD T1 COR FOR SCOLIOSIS

SAG	T2 FRFSE	26	5	1		T1 TSE	24	5	1		T2 FRFSE	26	4	1		T2 TSE	26	5	1
SAG	T1 FLAIR	26	5	1		T2 TSE	24	5	1		T1 FSE	26	4	1		T1 TSE	26	5	1
SAG	T2 STIR	26	5	1		T2 TSE FSAT	24	5	1		T2 FRFSE FS	26	4	1		T2 TSE FSAT	26	5	1
AX	T1	22	4	1		T1 TSE	18	4	1		T1 SE	17	4	1		T2 TSE	16	4	1
AX	T2 FRFSE	22	4	1		T2 TSE	18	4	0.5		T2 FRFSE	17	4	1		T1 TSE	16	4	1

PROTOCOL: **W.WO - surgical, myelopathy**

Axial scout images should include the inferior kidneys to the L5-S1 level

LUMBAR

SIEMENS 3.0

SIEMENS 1.5

GE 1.5

FUJI 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	T2 FRFSE	26	5	1		T2 TSE	24	5	1	T2 FRFSE	26	4	1	T2 TSE	26	5	1
SAG	T1 FLAIR	26	5	1		T2 TSE	24	4	1	T1 FSE	26	4	1	T1 TSE	26	5	1
SAG	T2 STIR	26	5	1		T2 TSE FSAT	24	5	1	T2 FRFSE FS	26	4	1	T2 TSE FSAT	26	5	1
AX	T1	22	4	1		T1 TSE	18	4	1	T1 SE	17	4	1	T2 TSE	16	4	1
AX	T2 FRFSE	22	4	1		T2 TSE	18	4	0.5	T2 FRFSE	17	4	1	T1 TSE	16	4	1
AX	T1	22	4	1	X	T1 TSE C+	18	4	1	T1 SE C+	17	4	1	T1 TSE	16	4	1
SAG	T1 FLAIR	26	5	1	X	T1 TSE C+	24	5	1	T1FRFSE C+	17	4	1	T1 TSE	26	5	1

PROTOCOL: **METS - osteomyelitis,**

Axial scout images should include the inferior kidneys to the L5-S1 level

LUMBAR

SIEMENS 3.0

SIEMENS 1.5

GE 1.5

FUJI 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	T2 FRFSE	26	5	1		T2 TSE	24	5	1		T2 FRFSE	26	4	1		T2 TSE	26	5	1
SAG	T1 FLAIR	26	5	1		T2 TSE	24	5	1		T1 FSE	26	4	1		T2 SPIR	26	5	1
SAG	T2 STIR	26	5	1		T2 TSE FSAT	24	5	1		T2 FRFSE FS	26	4	1		T1 TSE	26	5	1
AX	T1	22	4	1		T1 TSE	18	4	1		T1 SE	17	4	1		T2 TSE	16	4	1
AX	T2 FRFSE	22	4	1		T2 TSE	18	4	0.5		T2 FRFSE	17	4	1		T1 TSE	16	4	1
AX FS	T1	22	4	1		X	T1 TSE FS C+	18	4		1	T1 FS	17	4		1	T1 SPIR	16	4
SAG FS	T1 FLAIR	26	5	1	X	T1 TSE FS C+	24	5	1		T1 FS	17	4	1		T1 SPIR	26	5	1

PROTOCOL: **W.WO**

SPINE LAB

SIEMENS 3.0

SIEMENS 1.5

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP
SAG	VIBE	30	1.4	0		FFE FSAT	30	1.25	0
SAG	VIBE	30	1.4	0	X	FFE FSAT C+	30	1.25	0
AX T2	SPACE	34	5	0	X				

MWH Hospital

PROTOCOL: **TRAUMA**

CERVICAL

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
SAG	T2 SAG	20	3	1	
SAG	STIR Sag	20	3	1	
SAG	T1 Sag	20	3	1	
AX	T2 FFE	18	3	1	
AX	STIR Ax	18	3	1	

PROTOCOL: **TRAUMA**

THORACIC

IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+
SAG	T2 SAG	20	3	1	
SAG	STIR Sag	20	3	1	
SAG	T1 Sag	20	3	1	
AX	T2 FFE Stack	18	3	1	
AX	T2 Ax Stack	18	3	1	

PROTOCOL: **W.WO**

BRACH PLX

SIEMENS 3.0

SIEMENS 1.5

GE 1.5

FUJI 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	T1	24	5	1		T1 AX	22	5	1	T1 FSE	27	5	1	T1 FSE	24	5	1
AX	T2 STIR	24	5	1		T2 TSE FS	22	5	1	T2 FSE FS	27	5	1	T2 SPIR	24	5	1
SAG	T2 STIR	24	5	1		T2 TSE FS	27	5	1	T2 FSE FS	27	5	1	T1 TSE	20	5	1
SAG	T1	24	5	1		T1 TSE	27	5	1	T1 FSE	27	5	1	T2 SPIR	20	5	1
COR	T1	24	5	1		T1 TSE	22	5	1	T1 FSE	24	5	1	T1 TSE	22	5	1
COR	T2 STIR	24	5	1		T2 TSE FS	22	5	1	T2 FSE FS	24	5	1	T2 SPIR	22	5	1
AX	T1 FSPGR	24	5	1	X	T1 TSE FS C+	22	5	1	T1 FSE FS	27	5	1	T1 SPIR C+	24	5	1
SAG	T1 FSPGR	24	5	1	X	T1 TSE FS C+	27	5	1	T1 FSE FS	27	5	1	T1 SPIR C+	20	5	1
COR	T1 FSPGR	24	5	1	X	T1 TSE FS C+	22	5	1	T1 FSE FS	24	5	1	T1 SPIR C+	22	5	1

PROTOCOL: **W.WO**

LUMB PLX

SIEMENS 3.0

SIEMENS 1.5

GE 1.5

FUJI 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
COR	T1 FSE	30	5	1		T1 TSE	28	6	1	T2 FSE	31	7	2	T1 TSE	30	4	1
COR	T2 FSE STIR	30	5	1		T2 TSE FS	28	6	1	T2 FSE FS	31	7	2	T2 SPIR	30	4	1
SAG	T1 FSE	30	6	1		T1 TSE	28	6	1	T1 TSE	28	6	1	T1 TSE	28	6	1
SAG	T2 FSE STIR	30	6	1		T2 TSE FS	28	6	1	T2 FSE FS	28	6	1	T2 SPIR	28	6	1
AX	T1 FSE	32	6	1		T1 TSE	37	5	1	T1 FSE	30	7	2	T1 TSE	33	5	1
AX	T2 FSE STIR	32	6	1		T2 TSE FS	37	5	1	T2 FSE FS	30	7	2	T2 SPIR	33	5	1
COR	T1 FSE FS	30	5	1	X	T1 TSE FS	28	6	1	T1 FSE FS	31	7	2	T1 SPIR C+	30	4	1
AX	T1 FSE FS	32	6	1	X	T1 TSE FS	37	5	1	T1 FSE FS	30	7	2	T2 SPIR C+	33	5	1

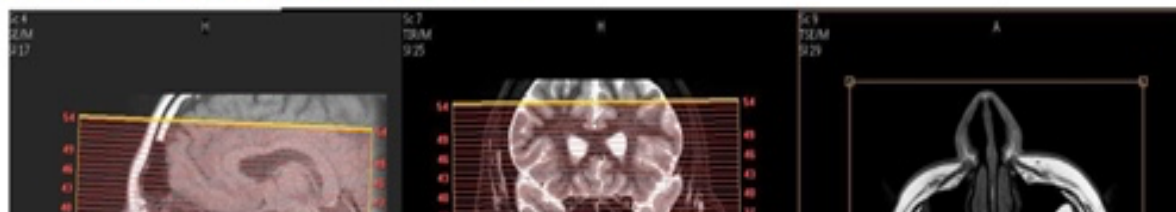
PROTOCOL: **W.WO** ****Cover from Pituitary down to clavicles**

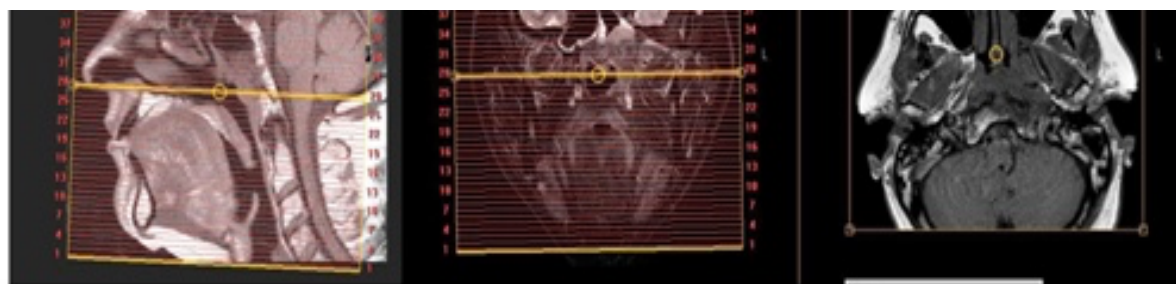
STN	SIEMENS 3.0					SIEMENS 1.5				GE 1.5				FUJI 1.2	
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP		PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ
COR	T1 FSE	18	4	0.4		T1 TSE	18	4	0.4		T2 FSE	18	4	0.4	T1 TSE
COR	T2 FSE STIR	18	4	0.4		T2 TSE STIR	18	4	0.4		T2 FSE STIR	18	4	0.4	T2 STIR
SAG	T1	25	4	0.4		T1 TSE	25	4	0.4		T1 FSE	25	4	0.4	T1 TSE
AX	T1 FSE	23	4	1		T1 TSE	23	4	1		T1FSE	23	4	1	T1 TSE
AX	T2 FSE STIR	23	4	1		T2 TSE FS	23	4	1		T2FSE FS	23	4	1	T2 FS
AX	DWI B600	20	3	1		DWI B600	20	3	1		DWI B600	20	3	1	DWI B600
COR	T1 FSE	18	4	0.4	X	T1 TSE	18	4	0.4		T1 FSE	18	4	0.4	T1 C+
AX	T1 FSE FS	23	4	1	X	T1 TSE FS	23	4	1		T1 FSE FS	23	4	1	T1 FS C+

PROTOCOL: **W.WO** **Face, Parotid, Sinus**

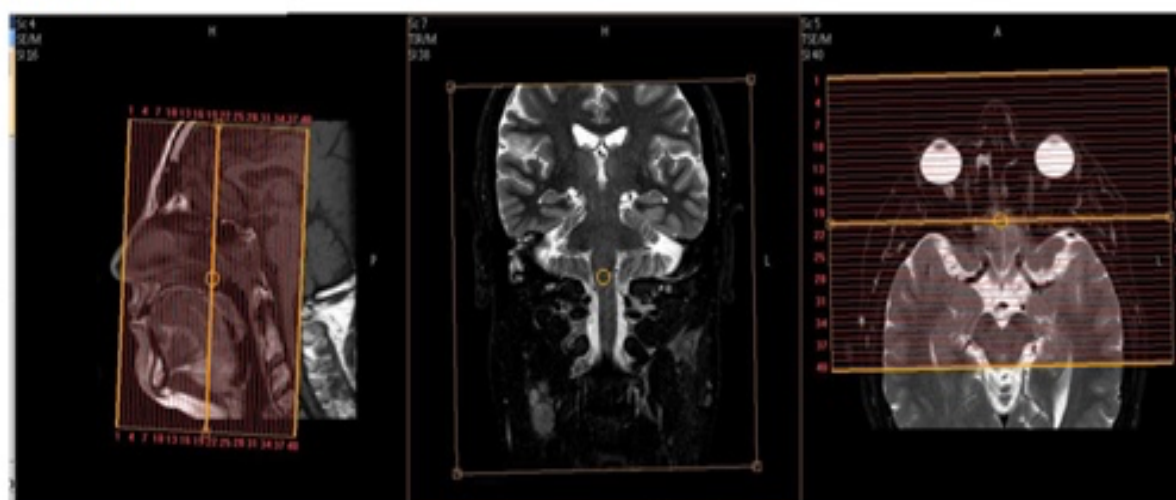
OFN	SIEMENS 3.0					SIEMENS 1.5				GE 1.5				FUJI 1.2	
IMAGE PLANE	PULSE SEQ	FOV	SLICE THK	GAP	C+	PULSE SEQ	FOV	SLICE THK	GAP		PULSE SEQ	FOV	SLICE THK	GAP	PULSE SEQ
COR	T1 FSE	18	3	0.5		T1 TSE	18	3	0.4		T2 FSE	18	3	0.4	T1 TSE
COR	T2 FSE STIR	18	3	0.5		T2 TSE STIR	18	3	0.4		T2 FSE STIR	18	3	0.4	T2 STIR
SAG	T1	22	4	0.4		T1 TSE	22	4	0.4		T1 FSE	22	4	0.4	T1 TSE
AX	T1 FSE	18	3	0.5		T1 TSE	18	3	1		T1FSE	18	3	1	T1 TSE
AX	T2 FSE STIR	18	3	0.5		T2 TSE FS	18	3	1		T2FSE FS	18	3	1	T2 FS
AX	DWI B600 2mm	18	3	0.3		DWI B600 2mm	18	3	0.3		DWI B600 2mm	18	3	0.3	DWI B600 2mm
COR	T1 FSE	18	3	0.5	X	T1 TSE	18	3	0.4		T1 FSE	18	3	0.4	T1 C+
AX	T1 FSE FS	18	3	0.5	X	T1 TSE FS	18	3	1		T1 FSE FS	18	3	1	T1 FS C+

AXIAL (including DWI 2mm Voxel)





Coronal



Sagittal

