MR 750w 26.0				Adult CERVICAL SPINE PROTOCOL UW MADISON						3-16-18 Grayev/Kijowski/Field/Vadnais				
										Replace				
				Add for Trauma		Pre				Ax T2*	Add for	Add for		
						Post				MERGE	Mets	Mets		
1	2	3	4	5	3	6	7	8	9	for Metal				
3 pl loc	Sag T1	Sag T2	Sag	Cor T2	Sag T2	Ax T1	Ax T2*	Sag T1	Ax T1	Ax T2	Sag	Sag	Cor/SAG T1	COR/Sag T2
	FLAIR	FRFSE	PROPELLER	IDEALarc	FRFSE	FSE	MERGE	FSE	FSE	FRFSE			IDEAL	IDEAL
	2d	no fat	STIR	fat/water	FAT			FAT	FAT	no fat	out phase	In phase	fat/water	fat/water
2d FSE	T1Flair	2d FRFSE	2d FSE	2d FSE	2d FRFSE	2d FSE	2d	2d FSE	2d FSE	2d FRFSE	2d	2d	2d FSE	2d FRFSE
							fast GRE				FSPGR	FSPGR		
Seq, EDR	NPW, TRf	NPW, TRf	EDR, TRF, Fast	NPW	TRf, FC, NPW	TRf, Fast	FC , EDR	NPW, TRf	TRf, Fast	FC, TRf	Fast	Fast	NPW EDR, Fast	EDR, Fast, FR
Fast, SS, ARC	EDR, Seq, Fast	Fast, FR	ARC, IRP	EDR, Fast	Fast, FR		Fast	Fast		Fast, FR	NPW	NPW	IDEAL, ARC	IDEAL, ARC
				IDEAL										
26 x 26	22 x 22	24 x 24	22 x 22	26 x 26	24 x 24	20 x 18	20 x 18	24 x 24	20 x 18	20 x 18	24 x 24	24 x 24	26 x 26	26 x 26
R/L 5/5 7sl	PEDS 4/.2	PEDS 4/.2	NWF 1.5	PEDS 3/.5		pfov .9	pfov .9		pfov .9	pfov .9				
S/I 5/5 7 sl	4/.4	4/.4	PEDS 4/.2	3/1	PEDS 4/.2									
A/P 5/0 10 sl			4/.4	S/I	4/.4	4/inter	4/0	PEDS 4/.2			PEDS 4/.2	PEDS 4/.2	SAG 4/.2 or .4	SAG 4/.2 or .4
TR Min	A/P	A/P		TR 3000	A/P	R/L (SWAP)	R/L (SWAP)	4/.4	4/inter	4/inter	4/.4	4/.4	COR 3/.5 or 1	COR 3/.5 or 1
	TR 2100	TR 3000	TR 3000		TR 3000	TR 750	TR 850	A/P	R/L (SWAP)	R/L (SWAP)	A/P	A/P	S/I	S/I
								TR 600	TR 800	TR 2500	TR 165	TR 140	TR 700	TR 4000
TE 80	TE 24	TE 102	TE def (58.3)	TE 85	TE 102	TE Min Full	TE def (5.5)	TE 10	TE Min Full	TE 102	TE out of ph	TE in phase	TE 20	TE 85
	ARFA 142	ARFA 142	RFA 160	ARFA 160	ARFA 142	ARFA 120	Auto Flip 20	ARFA 120	ARFA 120	ARFA 142	Flip 30	Flip 30	ARFA 160	ARFA 160
	ETL 8	ETL 21	ETL 18	ETL 19	ETL 21	ETL 3		ETL 3	ETL 3	ETL 23			ETL 4	ETL 21
	TI TIME Auto		INV 160											
320 x 256	320 x 256	384 x 256	288	320 x 224	384 x 256	320 x 192	288 x 192	320 x 192	320 x 192	320 x 192	384 x 224	384 x 224	320 x 192	288 x 224
BW 83	2 NEX	4 NEX	3 nex	2 NEX	4 NEX	2 NEX	2 NEX	3 NEX	2 NEX	3 NEX	3 NEX	3 NEX	2 NEX	2 NEX
	BW 35	BW 41	BW 62	BW 50	BW 41	BW 31	BW 41	BW 31	BW 31	BW 62	BW 62	BW 62	BW 62	BW 62
	Auto SHIM	Auto SHIM		Auto SHIM	Auto SHIM	Auto SHIM	Auto SHIM	Auto SHIM	Auto SHIM	Auto SHIM	Auto SHIM	Auto SHIM	Auto SHIM	Auto SHIM
	QUAD	QUAD		PRESET	QUAD	QUAD	QUAD	QUAD	QUAD	QUAD	PRESET	PRESET	QUAD	QUAD
	PhCor ON	PC OFF		PC ON	PC OFF	PC ON				PC OFF	PC OFF	PC OFF		
	PC ON	FC DIR FREQ			FC DIR FREQ		PC OFF	PC OFF	PC ON	FC DIR SLICE			PC ON	PC ON
	SCIC	SCIC	SCIC	SCIC	SCIC	SCIC	SCIC	SCIC	SCIC	SCIC	SCIC	SCIC	SCIC	SCIC
								CHEM SAT FAT	CHEM SAT FAT		u	u		
Accel 2			Accel 2	ACCEL 2									ACCEL 2	ACCEL 2
	SAT SCN	SAT SCN	SAT SCN	SAT SCN	SAT SCN	SAT SCN	SAT SCN	SAT SCN	SAT SCN	SAT SCN	SAT SCN	SAT SCN	SAT SCN	SAT SCN
	S/I/A	S/I/A		S/I	S/I/A									
ADVANCED	ADVNCD	ADVNCD	ADVNCD	ADVNCD	ADVNCD	ADVNCD	ADVNCD	ADVNCD	ADVNCD	ADVNCD			ADVNCD	ADVNCD
coll avail ech 1	Ann sup 1	Ann sup 1	Edit TE 1	enh fn line 1	FS eff 1	apod lvl 1		FS EFF 1	FS EFF 1				CLC ANN 1	CLC ANN 1
max # echos 240	apod lvl 1	apod lvl 1	RG 1	Ann sup 1	Ann sup 1	RG 1		Apod lvl 1	RG 1				RG 1	RG 1
RG 1	RG 1	RG 1		Apod lvl 1	RG 1			RG 1						
				RG 1										

SPINAL TRICKS MRA
30 ml @ 2ml / sec
1. Start scan, mask is acquired whil
2. Scanner will pause, clock will res
3. Inject, start SCAN 10 seconds la

								A						

e clock counts down to 0:00.
et.
ter.

MRA	**MRA**
Sag	**Sag**
TRICKS	**TRICKS**
3d	3d
TRICKS	TRICKS
ZIP 2	ZIP 2
ZIP 512	ZIP 512
Fast, Asset	Fast
24 x 20	24 x 20
pfov .8	pfov .8
3/0	3/0
S/I	S/I
TR def (4)	TR def (4)
TE MIN	TE MIN
Flip 20	Flip 20
320 x 220	320 x 220
1 NEX	.75 NEX
BW 83	BW 83
Auto SHIM	Auto SHIM
PRESET	PRESET
PC OFF	PC OFF
No SCIC	**No SCIC**
ACCEL 2	
TRICKS	**TRICKS**
phases 20	phases 20
Pause ON	Pause ON
Dlay MIN	Dlay MIN
Images SUB	Images SUB
ADVNCD	**ADVNCD**
TURBO 2	TURBO 2