

1.5T 15.0 KNEE MRI - UW MADISON																	5-27-10 DeSmet/Tuite/Robichaud		
Coils EXTcoil = LGEXTPA 4ch TR/EXT by MEDRAD CHIMNEY coil = QUADKNEE T/R knee foot by MED																	MEV Updated 10/25/2016		
CV & XMR: No Zoom mode, unless knee is midline.																			
Routine				TE	TR	ETL	FLIP	TI	RBw	Sat	UsCV	fov	thk/sp	sls / acq	Matrix	Nex	pfov	frqdir	Time
1	3 pl loc	2d std loc		def	def							24 x 24	10 / 0	11 sls	256 x 128	2 nex		unspf	1:12
2	Ax T2 classic fat	2d FrFSE-XL	TRF, ZIP 512, fast, FR	TE 88	TR 3800	ETL 15			BW 20	cla fat	FSeF 1	18 x 18	4 / 1.0	20 sls	256 x 224	2 nex	1	unspf	2:10
3	Cor PD classic fat	2d FSE-XL	TRF, fast, EDR, ZIP 512	TE 42	TR 2400	ETL 6			BW 20	cla fat	FSeF 1	14 x 14	3 / 1.5	24 sls	256 x 224	2 nex	1	unspf	3:08
4	Sag PD No fat	2d FSE-XL	TRF, fast, ZIP 512	TE 20	TR 1800	ETL 3			BW 31			14 x 14	3 / 0.5	38 sls	256 x 224	2 nex	1	unspf	4:37
5	Sag T2 classic fat	2d FSE-XL	TRF, ZIP 512, fast	TE 80	TR 4200	ETL 10			BW 20	cla fat	FSeF 1	14 x 14	3 / 0.5	30 sls	256 x 192	2 nex	1	unspf	2:52
7	Cor PD (pain/men/lig)	2d FSE-XL	TRF, fast, ZIP 512	TE 20	TR 1800	ETL 4			BW 31			14 x 14	3 / 0.5	30 sls	256 x 224	2 nex	1	unspf	3:25
or7b	Cor T1 (AVN/OCD/FX)	2d FSE-XL	TRF, fast, ZIP 512	TE 20	TR 700	ETL 3			BW 31			14 x 14	3/0.5	30 sls	256 x 224	2 nex	1	unspf	
g	Obl Ax PD cl fat	2d FSE-XL	TRF, fast, ZIP 512	TE 36	TR 2000	ELT 8			BW 31	cla fat	FSeF 1	18 x 18	1.3 / 0	14 sls	256 x 224	3 nex	1	unspf	
OSTEOMYELITIS - ABSCESS - TUMOR																			
1	3 pl loc	2d std loc		def	def							24 x 24	10 / 0	11 sls	256 x 128	2 nex		unspf	1:12
2	Ax T1	2d FSE-XL	TRF, ZIP 512, fast	TE 20	TR 550	ETL 4			BW 20			14 x 14	5 / 1.5	22 sls	256 x 224	2 nex	1	unspf	2:08
3	Ax T2 dark fat	2d FSE-XL	TRF, ZIP 512, fast	TE 85	TR 4000	ETL 14			BW 20	FAT	FSeF 1	14 x 14	5 / 1.5		256 x 224	2 nex	1	unspf	2:52
4	Cor T1	2d FSE-XL	TRF, ZIP 512, fast	TE 20	TR 550	ETL 4			BW 20			16 x 16	5 / 2.5	22 sls	256 x 224	2 nex	1	unspf	2:08
5	Cor T2 dark fat	2d FSE-XL	TRF, ZIP 512, fast	TE 85	TR 4000	ETL 14			BW 20	FAT	FSeF 1	16 x 16	5 / 2.5		256 x 224	2 nex	1	unspf	2:52
6	Sag T1	2d FSE-XL	TRF, ZIP 512, fast	TE 20	TR 550	ETL 4			BW 20			16 x 16	5 / 2.5	22 sls	256 x 224	2 nex	1	unspf	2:08
7	Sag T2 dark fat	2d FSE-XL	TRF, ZIP 512, fast	TE 85	TR 4000	ETL 14			BW 20	FAT	FSeF 1	16 x 16	5 / 2.5		256 x 224	2 nex	1	unspf	2:52
TUMOR ONLY--Pre Ax T1 FAT		2d FSE-XL	TRF, ZIP 512, fast	TE 20	TR 550	ETL 4			BW 20	FAT		14 x 14	5 / 1.5	22 sls	256 x 224	1 nex	1	unspf	
Give IV Contrast																			
8	+c Ax T1 dark fat	2d FSE-XL	TRF, ZIP 512, fast	TE 20	TR 550	ETL 4			BW 20	FAT	FSeF 1	14 x 14	5 / 1.5	22 sls	256 x 224	2 nex	1	unspf	4:00
9	+c Cor T1 dark fat	2d FSE-XL	TRF, ZIP 512, fast	TE 20	TR 550	ETL 4			BW 20	FAT	FSeF 1	16 x 16	5 / 2.5	22 sls	256 x 224	2 nex	1	unspf	4:00
10	+c Sag T1 dark fat	2d FSE-XL	TRF, ZIP 512, fast	TE 20	TR 550	ETL 4			BW 20	FAT	FSeF 1	16 x 16	5 / 2.5	22 sls	256 x 224	2 nex	1	unspf	4:00
KNEE ARTHROGRAM																			
1	3 pl loc	2d std loc		def	def							24 x 24	10 / 0	11 sls	256 x 128	2 nex		unspf	1:12
2	+C Ax T2 classic fat	2d FrFSE-XL	TRF, ZIP 512, fast, FR	TE 88	TR 3800	ETL 15			BW 31	cl fat	FSeF 1	14 x 14	3/5	20 sls	256 x 224	2 nex	1	swp	2:10
3	+C Cor T1 dark fat	2d FSE-XL	TRF, ZIP 512, fast	TE 20	TR 600	ETL 4			BW 22	FAT	FSeF 1	14 x 14	3 / 1.5	20 sls	256 x 224	2 nex	1	unspf	3:30
4	Sag PD No fat	2d FSE-XL	TRF, fast	TE 20	TR 1800	ETL 3			BW 31			14 x 14	3 / 0.5	34 sls	320 x 224	2 nex	1	unspf	4:38
5	+c Sag T2 classic fat	2d FSE-XL	TRF, ZIP 512, fast	TE 80	TR 3400	ETL 10			BW 20	cla fat	FSeF 1	14 x 14	3 / 0.5	24 sls	256 x 192	2 nex	1	unspf	2:23
6	+c Sag T1 dark fat	2d FSE-XL	TRF, ZIP 512, fast	TE 20	TR 650	ETL 4			BW 22	FAT	FSeF 1	14 x 14	3 / 0.5	24 sls	256 x 224	2 nex	1	unspf	3:47
OPTIONAL SCANS																			
	T2 FSE classic fat	2d FSE-XL	TRF, ZIP 512, fast	TE 88	TR 3150	ETL 10			BW 20	cl fat	FSeF 1	14 x 14	4 / 0.5	22 sls	256 x 192	2 nex	1	unspf	2:13
	T2 FSE dark fat	2d FSE-XL	TRF, ZIP 512, fast	TE 60	TR 2200	ETL 6			BW 20	FAT	FSeF 1	14 x 14			256 x 224	2 nex	1	unspf	2:52
	PD classic fat	2d FSE-XL	TRF, ZIP 512, fast	TE 42	TR 1800	ETL 4			BW 20	cla fat	FSeF 1	14 x 14	4 / 1	19 sls	256 x 224	2 nex	1	unspf	2:24
	Sag PD No fat	2d FSE-XL	TRF, fast	TE 20	TR 1800	ETL 3			BW 31			14 x 14	3 / 0.5	22 sls	256 x 224	2 nex	1	unspf	4:23
	Fast STIR	2d FSE-IR	Seq, fast	TE 44	TR 3000	ETL 8		TI 160	BW 12					20 sls	256 x 256	2 nex	1	unspf	6:36
rspk	Sag 3d - For cartilage	3d spgr		TE 5	TR 45		flip 20		BW 15	FAT	FSeF 1		1 mm	80 sls	256 x 128	1 nex	1		@9min
	T2* GRE	2d GRE		TE 15	TR 500		flip 20		BW 10						256 x 192	3 nex	1		4:52
Ax	T2 FRFSE classic fat	2d FRFSE-XL	TRF, ZIP 512, fast	TE 88	TR 3500	ETL 15			BW 31	cl fat	FSeF 1	14 x 14	4 / 1	20 sls	256 x 224	2 nex	1	swp	1:59
KNEE - RESEARCH for KIJOWSKI and KOROSEC																			
	Ax T2 map	2d FRFSE-XL	TRF, fast, Fr	TE 20	TR 1000	ETL 8			BW 15.6			14 x 14	3 / 1		256 x 192	1 nex	1	*A/P	
		Type in: fset2	User CV: Cartilage = 1																
	Ax T2 classic fat	2d FRFSE-XL	Trf, Fast, Fr	TE 85	TR 3200	ETL 10			BW 31	cla fat	FSeF 1	14 x 14	3 / 1		320 x 192	2 nex	1	*A/P	
	Sag 3d FIESTA	3d FIESTA	fast	TE min	TR def		flip 45		BW 62	spec fat	FSeF 1	14 x 14	2 / 0	48 sls	256 x 256	2 nex	1	S/I	