

ANKLE

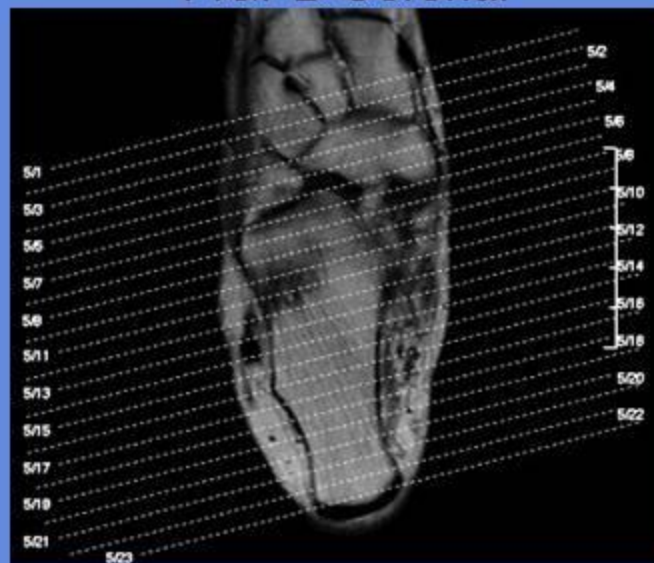
CLINICAL INDICATIONS:		FX,AVN,Ligament Injuries							
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8	SERIES 9
description	T1 AX	T2 AX FS	T1 COR	PD COR FS	T1 SAG	STIR SAG	3D SPGR SAG FS	T1 COR OR SAG FS C+	T1 AX FS C+
entry	supine	supine	supine	supine	supine	supine	supine	supine	supine
position	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First
coil	Chimney	Chimney	Chimney	Chimney	Chimney	Chimney	Chimney	Chimney	Chimney
plane	AXIAL	AXIAL	CORONAL	CORONAL	SAGITTAL	SAGITTAL	SAGITTAL	COR OR SAG	AXIAL
pulse seq.	FSE-XL	frFSE-XL	FSE-XL	FSE-XL	FSE-XL	STIR	fSPGR	fSPGR	fSPGR
im options	VB,TRF	VB,TRF,Z512	VB,TRF,Z512	VB,TRF,Z512	VB,TRF,Z512,NP	VB,TRF,Z512,NP	NP,Z2,Z512	EDR,Z512	EDR,Z512
PSD Name		FSEC		FSE C					
Te	Min-Full	102	12	22	Min-Full	34	Min	OUT-OF-PHASE	OUT-OF-PHASE
TR	550	3000	450	1500	450	4200		150	150
TI									
flip angle							10	90	90
ETL	2	13	4	6	4	18			
RBW	22	25	32	20	15	27	11	31	31
SATS	S,I	FAT S,I	S,I	FAT S,I	S,I	S,I	FAT(special)	FAT(special) S,I	FAT(special) S,I
FOV	16	16	16	16	15	15	15	15	16
slice thick	4	4	3.5	3.5	3.5	3.5	2	3.5	4
spacing	0.5	0.5	1	0.5	0.5	0.5	0	0.5	0.5
F Phase	320	320	256	256	320	256	256	256	256
P Phase	192	160	192	160	192	160	160	192	192
NEX	3	3	4	4	3	3	3	3	3
Phase FOV	0.75	0.75	0.75	0.75	1	1	1	1	1
FREQ DIR	A/P	A/P	S/I	S/I	S/I	S/I	S/I	S/I	S/I
COVERAGE	ANKLE	ANKLE	ANKLE	ANKLE	ANKLE	ANKLE	ANKLE	ANKLE	ANKLE
contrast								1mmol/kg	1mmol/kg
comments:	Place marker(s) on ROI IF CONTRAST INDICATED: RUN SERIES 8 AND 9								

ANKLE

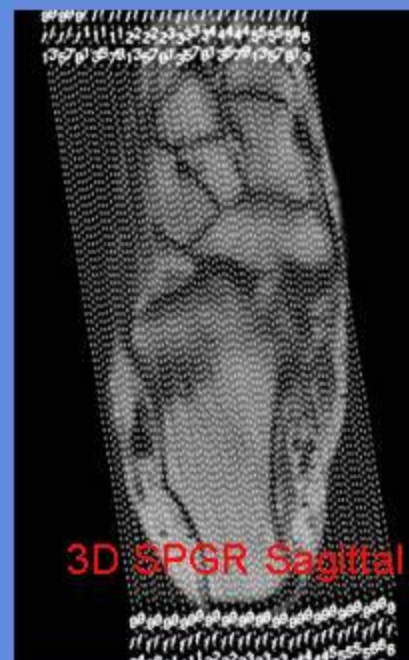
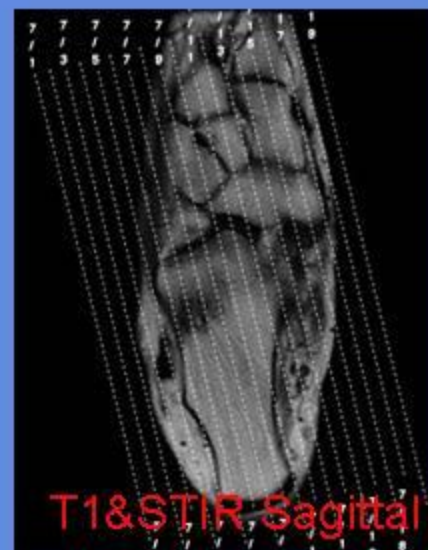
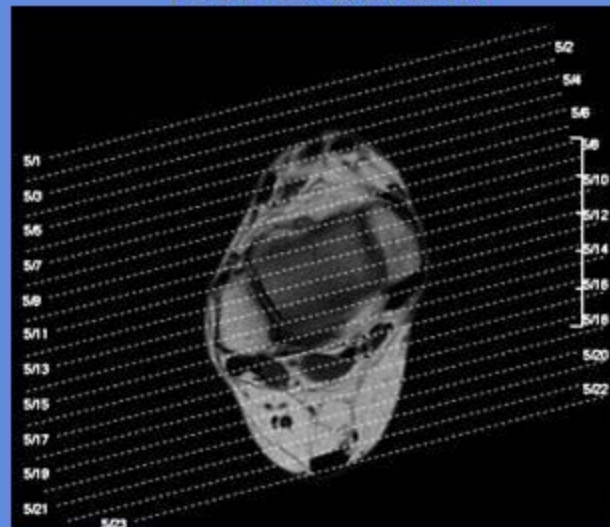
T1 & T2 Axial



T1&PD Coronal



T1&PD Coronal

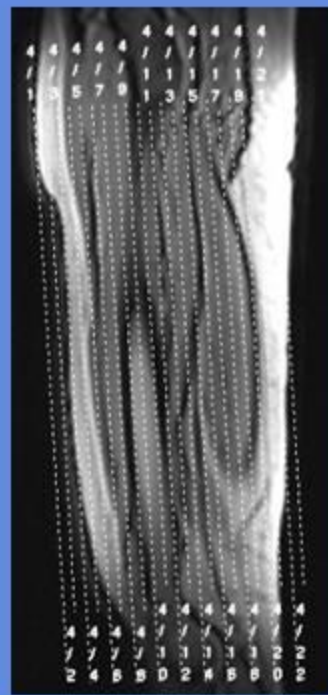


D 5 (Lump and Bump)

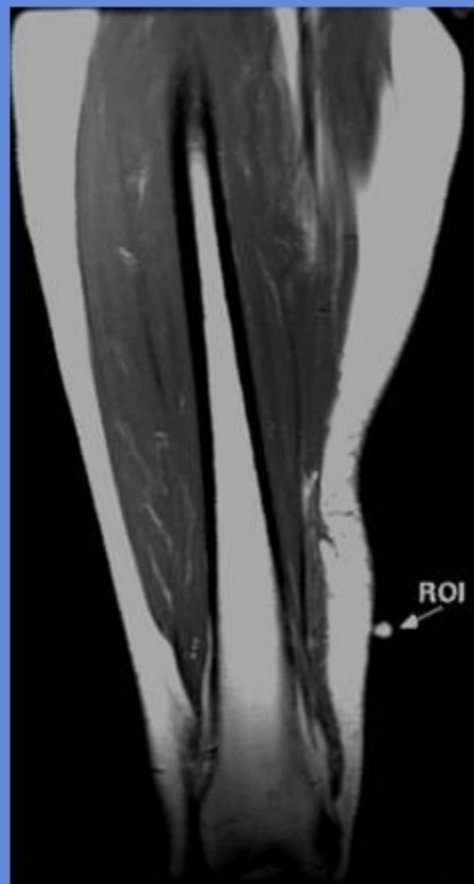
[illegible]

comments:	IF ROI IS ANTERIOR DO SAGITTAL, IF ROI IS MEDIAL DO CORONAL IF CONTRAST INDICATED: RUN SERIES7 AND 8
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LUMP AND BUMP



← CORONAL



AXIALS THUR ROI



ELBOW

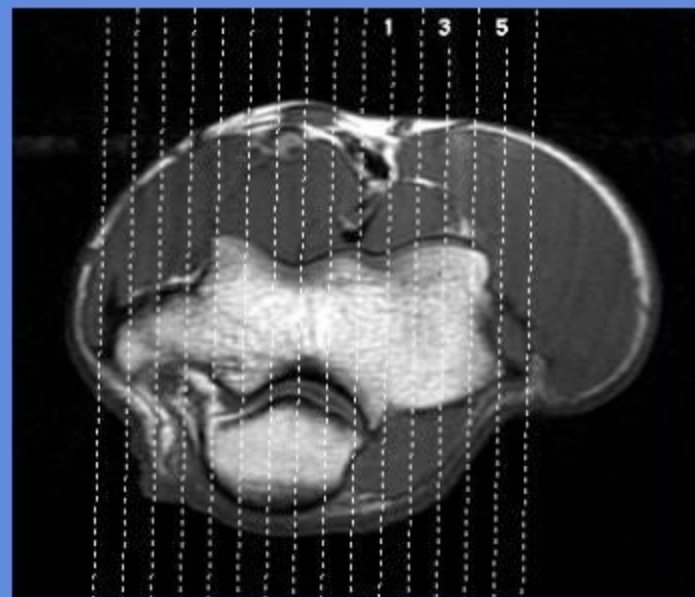
CLINICAL INDICATIONS:		Soft tissue abnormalities involving the tendons, ligaments, and muscles include rupture of the biceps and/or triceps tendons, the LCL or MCL, and									
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8	SERIES 9	SERIES 10	SERIES 11
description	3-PLN LOC	T1 AX	GRE AX	T2 AX	T1 SAG	STIR SAG	T1 COR	STIR COR	3D T1 COR	T1 COR OR SAG FS C+	T1 AX FS C+
entry	Prone	Prone	Prone	Prone	Prone	Prone	Prone	Prone	Prone	supine	supine
position	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first
coil	SMEXTPA	SMEXTPA	SMEXTPA	SMEXTPA	SMEXTPA	SMEXTPA	SMEXTPA	SMEXTPA	SMEXTPA	TORSO PA	TORSO PA
plane	3-PLN	AXIAL	AXIAL	AXIAL	SAGITTAL	SAGITTAL	CORONAL	CORONAL	CORONAL	COR OR SAG	AXIAL
pulse seq.	FGRE	FSE-XL	GRE AX	frFSE-XL	FSE-XL	STIR	FSE-XL	STIR	fSPGR	fSPGR	fSPGR
im options		NP,VB,EDR,TRF	FC,NP,VB,EDR	NP,VB,EDR,TRF,Z512	NP,VB,EDR,TRF,Z512	NP,VB,TRF,Z512	NP,VB	NP,VB,TRF	NP,Z2,Z512	EDR,Z512	EDR,Z512
PSD Name				FSEC							
Te		15	20	85	Min-Full	50	Min-Full	50	Min	OUT-OF-PHASE	OUT-OF-PHASE
TR		400	775	2825	400	4300	667	4300		150	150
TI						150		150			
flip angle									10	90	90
ETL		4		27	4	8	2	8			
RBW		16	16	16	16	22	26	22	12	31	31
SATS		S(LorR)I	S(LorR)I	S(LorR)I F	S(LorR)I	S(LorR)I	S(LorR)I	S(LorR)I	FAT(special)	FAT(special) S,I	FAT(special) S,I
FOV	25	16	16	16	16	18	14	14	12	14	16
slice thick	5	4	4	4	4	4	3	3	2	3	4
spacing	5	1	1	1	1	1	0.5	0.5		0.5	1
F Phase	256	320	320	256	256	256	320	256	256	256	256
P Phase	128	192	192	192	192	192	129	192	192	192	192
NEX	1	2	2	4	2	3	2	3	3	3	3
Phase FOV	1	1	1	1	1	1	1	1	1	1	1
FREQ DIR		R/L	R/L	R/L	S/I	S/I	S/I	S/I	S/I	S/I	S/I
COVERAGE	ELBOW	ELBOW	ELBOW	ELBOW	ELBOW	ELBOW	ELBOW	ELBOW	ELBOW	ELBOW	ELBOW
contrast										1mmol/kg	1mmol/kg
comments:	Place marker on ROI IF CONTRAST										

ELBOW

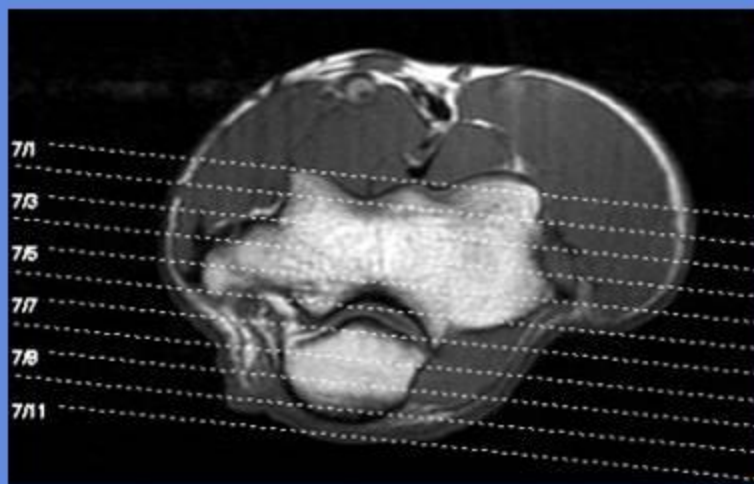
AXIAL



SAGITTAL



CORONAL



FEMUR

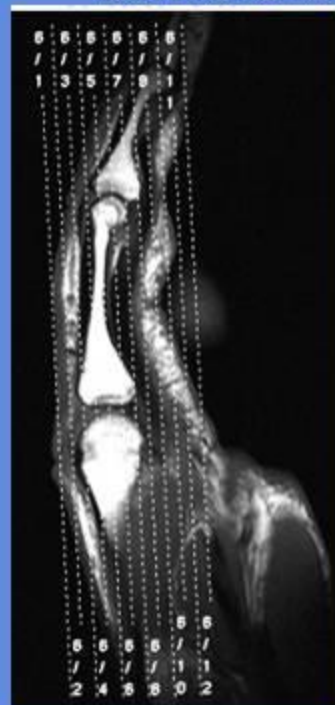
CLINICAL INDICATIONS:		PAIN,FX,AVN.Arthritis											
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8	SERIES 9	SERIES 10	SERIES 11	SERIES 12	SERIES 13
description	3-PLN LOC	STIR SAG	T1 SAG	STIR COR	T1 COR	T1 AX	GRE AX	STIR AX	T1 AX(THIN)	GRE AX(THIN)	STIR AX(THIN)	T1 COR OR SAG FS C+	T1 AX FS C+
entry	supine	supine	supine	supine	supine	supine	supine	supine	supine	supine	supine	supine	supine
position	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First
coil	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSOPA	TORSOPA
plane	3-PLN	SAGITTAL	SAGITTAL	CORONAL	CORONAL	AXIAL	AXIAL	AXIAL	AXIAL	AXIAL	AXIAL	COR OR SAG	AXIAL
pulse seq.	FGRE	STIR	FSE-XL	STIR	FSE-XL	FSE-XL	GRE	STIR	FSE-XL	GRE	STIR	fSPGR	fSPGR
im options		NP,VB,SEQ,EDR,TRF	NP,VB,EDR,TRF	NP,VB,SEQ,EDR,TRF	NP,VB,EDR,TRF	NP,VB,TRF	FC,NP,VB	NP,VB,SEQ,Z512,TRF	NP,VB,TRF	FC,NP,VB	F	EDR,Z512	EDR,Z512
PSD Name													
Te		34	8	34	8	Min Full	20	34	Min Full	20	34	OUT-OF-PHASE	OUT-OF-PHASE
TR		6500	600	6500	600	600	651	5700	600	651	5700	150	150
TI		150		150				150			150		
flip angle							20			20		90	90
ETL		18	4	18	4	2		18	2		18		
RBW		21	31	21	31	23	27	21	23	27	21	31	31
SATS		S I	S I	S I	S I	S I	S I	S I	S I	S I	S I	FAT(special) S,I	FAT(special) S,I
FOV	48	40	40	40	40	20	20	20	20	20	20	40	20
slice thick	5	5	5	5	5	7	7	7	5	5	5	5	7
spacing	5	1	1	1	1	1	2	2	2	1	1	1	2
F Phase	256	320	512	320	512	320	384	256	320	320	256	256	256
P Phase	128	224	320	224	320	256	224	192	256	192	160	192	192
NEX	1	2	3	2	3	2	1.5	2	4	2	3	3	3
Phase FOV	1	1	1	1	1	1	1	1	1	1	1	1	1
FREQ DIR		A/P	A/P	R/L	R/L	R/L	R/L	R/L	R/L	R/L	R/L	S/I	S/I
COVERAGE		HUMERUS	HUMERUS	HUMERUS	HUMERUS	ROI	ROI	ROI	ROI	ROI	ROI	FEMUR	ROI
contrast												1mmol/kg	1mmol/kg
comments:	If ROI is small,thin do thin axials IF CONTRAST INDICATED: RUN SERIES 12 AND 13												

FINGER / THUMB	
Index	Index
Ring	Ring
Thumb	Thumb
Index	Index
Ring	Ring
Thumb	Thumb
Index	Index
Ring	Ring
Thumb	Thumb

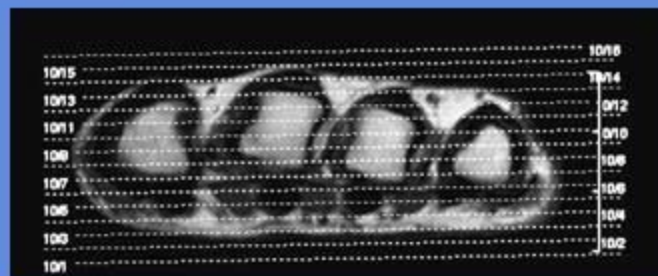
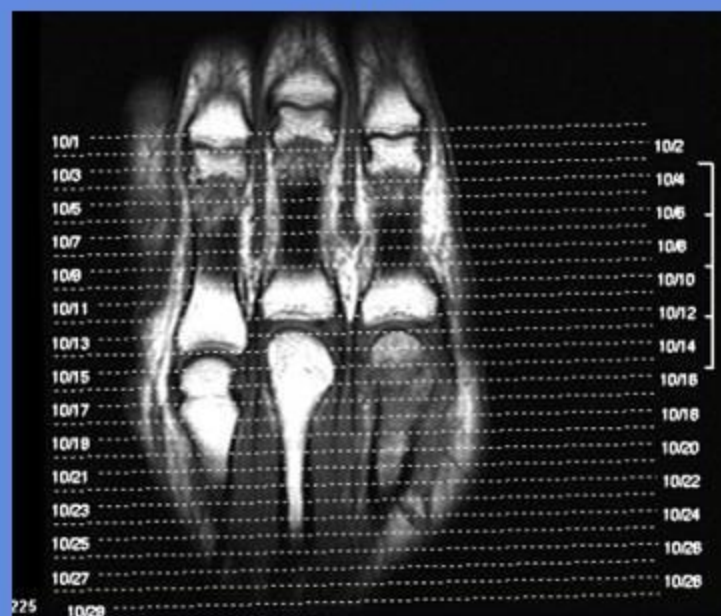
CLINICAL INDICATIONS:		trauma, tumour, arthropathies, infection, avascular necrosis									
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8	SERIES 9	SERIES 10	SERIES 11
description	3-PLN LOC	T1 AX	STIR AX	GRE AX	T1 SAG	STIR SAG	GRE COR	STIR COR	T1 COR	T1 COR OR SAG FS C+	T1 AX FS C+
entry	prone	prone	prone	prone	prone	prone	prone	prone	prone	Prone	Prone
position	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first
coil	wristPA	wristPA	wristPA	wristPA	wristPA	wristPA	wristPA	wristPA	wristPA	wristPA	wristPA
plane	3-PLN	AXIAL	AXIAL	AXIAL	SAGITTAL	SAGITTAL	CORONAL	CORONAL	CORONAL	COR OR SAG	AXIAL
pulse seq.	FGRE	Spin Echo	STIR	GRE	Spin Echo	STIR	GRE	STIR	Spin Echo	fSPGR	fSPGR
im options		NP,VB,Z512	NP,VB,Z512,TRF	NP,VB,Z512	NP,VB,Z512	NP,VB,Z512,TRF	NP,VB,Z512	NP,VB,Z512,TRF	NP,VB,Z512	EDR,Z512	EDR,Z512
PSD Name											
Te		Min-Full	50	20	Min-Full	50	20	50	Min-Full	OUT-OF-PHASE	OUT-OF-PHASE
TR		600	6200	775	400	3200	500	3800	425	150	150
TI			150			150		150			
flip angle				20			20			90	90
ETL			8			8		8			
RBW		25	13.89	17	20	13.89	10	10	16	31	31
SATS										FAT(special)	FAT(special)
FOV	25	12	12	12	12	12	12	12	12	12	12
slice thick	5	3	3	3	3	3	2.5	2.5	2.5	2.5	3
spacing	5	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.3
F Phase	256	256	256	256	352	256	320	256	352	256	256
P Phase	128	192	160	160	192	160	192	192	192	192	192
NEX	1	2	2	2	2	2	3	2	2	3	3
Phase FOV	1	1	1	1	1	1	1	1	1	1	1
FREQ DIR		A/P	A/P	A/P	R/L	R/L	S/I	S/I	S/I	S/I	S/I
COVERAGE		FINGER	FINGER	FINGER	FINGER	FINGER	FINGER	FINGER	FINGER	FINGER	FINGER
contrast										1mmol/kg	1mmol/kg
comments:	IF CONTRAST INDICATED: RUN SERIES 10 AND 11										
	Do at ISOCENTER if at all possible.										

FINGER

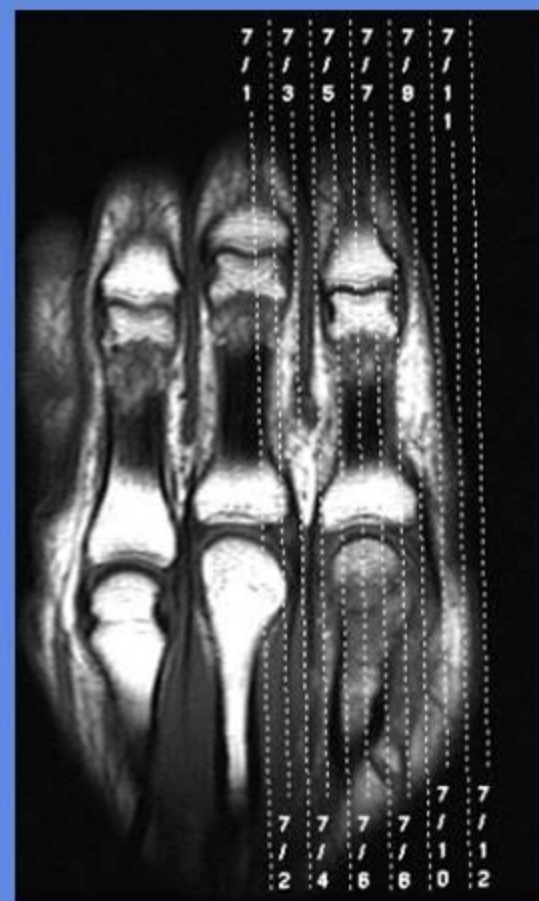
CORONAL



AXIAL

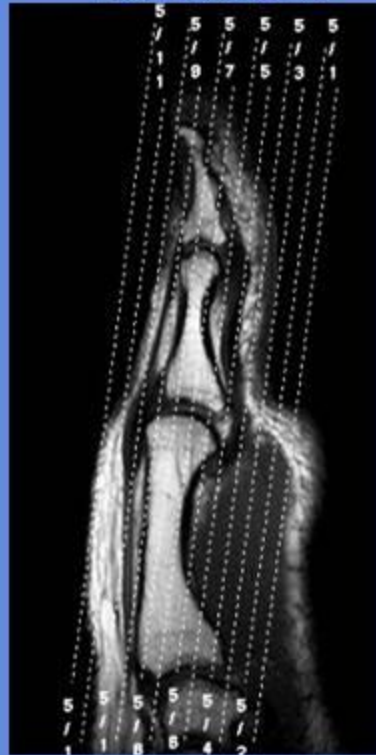


SAGITTAL

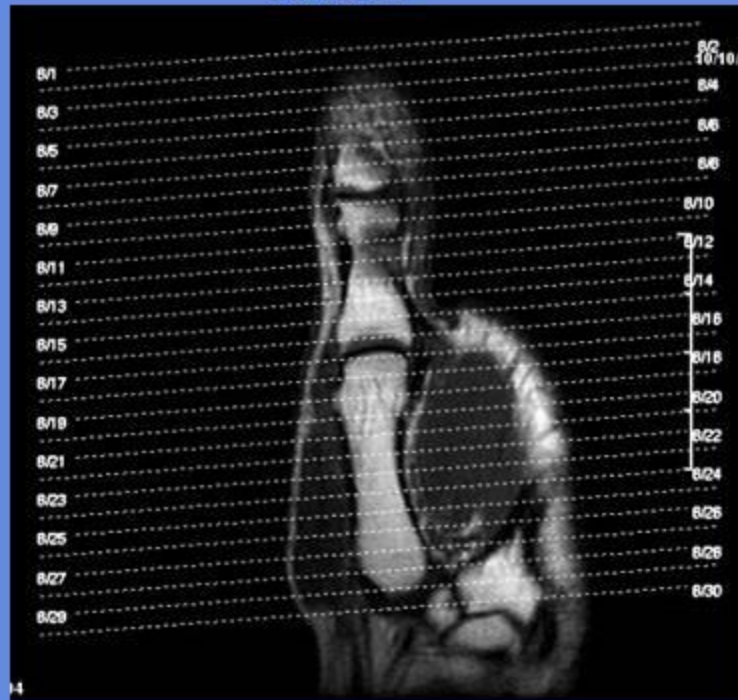


THUMB

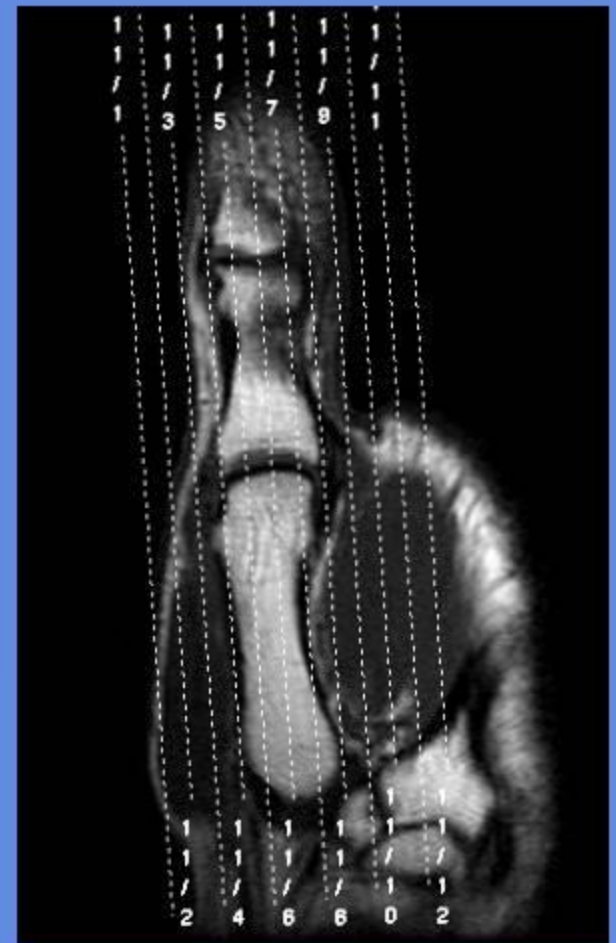
CORONAL



AXIAL



SAGITTAL



FOOT

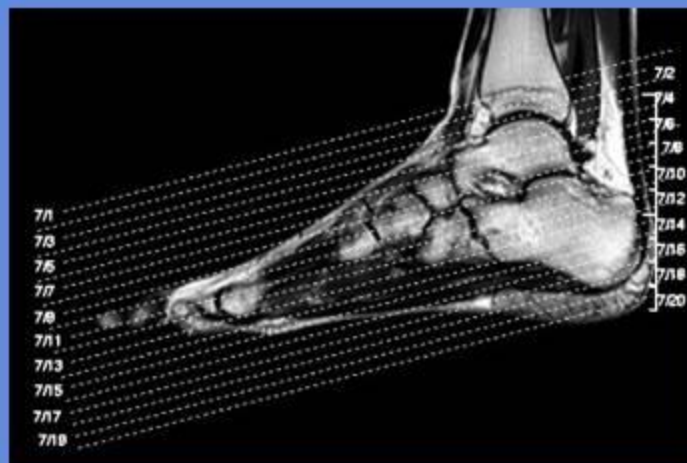
CLINICAL INDICATIONS:		FX,AVN,Ligament Injuries							
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8	SERIES 9
description	T1 AX	T2 AX FS	T1 COR	PD COR FS	T1 SAG	STIR SAG	3D SPGR SAG FS	T1 COR OR SAG FS C+	T1 AX FS C+
entry	supine	supine	supine	supine	supine	supine	supine	supine	supine
position	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First
coil	Chimney	Chimney	Chimney	Chimney	Chimney	Chimney	Chimney	Chimney	Chimney
plane	AXIAL	AXIAL	CORONAL	CORONAL	SAGITTAL	SAGITTAL	SAGITTAL	COR OR SAG	AXIAL
pulse seq.	FSE-XL	frFSE-XL	FSE-XL	FSE-XL	FSE-XL	STIR	fSPGR	fSPGR	fSPGR
im options	VB,TRF	VB,TRF,Z512	VB,TRF,Z512	VB,TRF,Z512	VB,TRF,Z512,NP	VB,TRF,Z512,NP	NP,Z2,Z512	EDR,Z512	EDR,Z512
PSD Name		FSEC		FSE C					
Te	Min-Full	102	12	22	Min-Full	34	Min	OUT-OF-PHASE	OUT-OF-PHASE
TR	550	3000	450	1500	450	4200		150	150
TI									
flip angle							10	90	90
ETL	2	13	4	6	4	18			
RBW	22	25	32	20	15	27	11	31	31
SATS	S,I	FAT S,I	S,I	FAT S,I	S,I	S,I	FAT(special)	FAT(special) S,I	FAT(special) S,I
FOV	16	16	16	16	15 TO 20	15 TO 20	15 TO 20	15 TO 20	16
slice thick	4	4	3.5	3.5	3.5	3.5	2	3.5	4
spacing	0.5	0.5	1	0.5	0.5	0.5	0	0.5	0.5
F Phase	320	320	256	256	320	256	256	256	256
P Phase	192	160	192	160	192	160	160	192	192
NEX	3	3	4	4	3	3	3	3	3
Phase FOV	0.75	0.75	0.75	0.75	1	1	1	1	1
FREQ DIR	A/P	A/P	S/I	S/I	S/I	S/I	S/I	S/I	S/I
COVERAGE	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
contrast								1mmol/kg	1mmol/kg
comments:	IF CONTRAST INDICATED: RUN SERIES 8 AND 9								

FOOT

T1 & T2 Axial



T1&PD Coronal



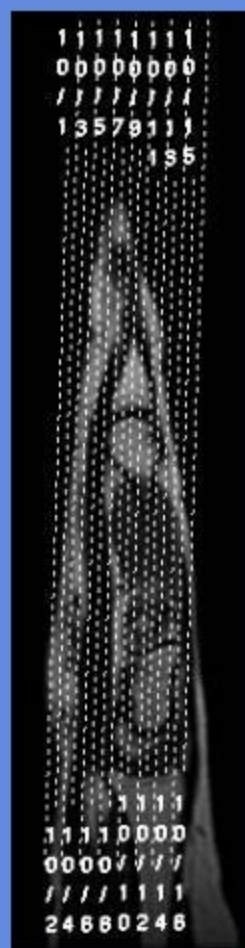
T1&STIR Sagittal
3D SPGR Sagittal

HAND

CLINICAL INDICATIONS:		trauma, tumour, arthropathies, infection, avascular necrosis								
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8	SERIES 9	SERIES 10
description	3-PLN LOC	T1 COR	STIR COR	T1 SAG	T1 AX	GRE AX	T2 AX FS	T1 3D COR	T1 COR OR SAG FS C+	T1 AX FS C+
entry	Prone	Prone	Prone	Prone	Prone	Prone	Prone	Prone	Prone	Prone
position	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first
coil	8ch Head	8ch Head	8ch Head	8ch Head	8ch Head	8ch Head	8ch Head	8ch Head	8ch Head	8ch Head
plane	3-PLN	CORONAL	CORONAL	SAGITTAL	AXIAL	AXIAL	AXIAL	CORONAL	COR OR SAG	AXIAL
pulse seq.	FGRE	Spin Echo	STIR	Spin Echo	Spin Echo	GRE	FRFSE	fSPGR	fSPGR	fSPGR
im options		EDR	NP,TRF,VB	EDR	EDR	EDR	TRF,VB	EDR,Z2,Z512	EDR,Z512	EDR,Z512
PSD Name							FSEC			
Te		Min	50	Min	Min	20	85	Min	OUT-OF- PHASE	OUT-OF- PHASE
TR		500	4400	500	500	750	2800		150	150
TI			150							
flip angle						20		10	90	90
ETL			14				21			
RBW		16	32	16	16	16	27	12	31	31
SATS		S/I	S/I	S/I	S/I	S/I	S/I, FAT	FAT(special)	FAT(special)	FAT(special)
FOV	25	24	24	24	20	20	20	18	24	20
slice thick	5	2	2	2	4	4	4	1.6	2	4
spacing	5	0.3	0.3	0.3	1	1	1		0.3	1
F Phase	256	384	256	384	320	320	256	256	256	256
P Phase	128	224	192	224	192	192	160	192	192	192
NEX	1	3	3	3	3	2	6	3	3	3
Phase FOV	1	1	1	1	0.75	0.75	0.75	1	1	1
FREQ DIR		S/I	S/I	S/I	R/L	R/L	R/L	Uuswap	S/I	S/I
COVERAGE	HAND	HAND	HAND	HAND	HAND	HAND	HAND	HAND	HAND	HAND
contrast									1mmol/kg	1mmol/kg
comments:	IF CONTRAST INDICATED: RUN SERIES 9 AND 10									

HAND

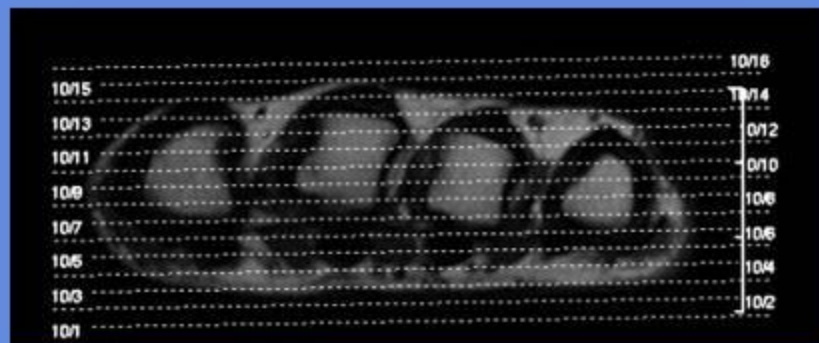
CORONAL



AXIAL



SAGITTAL



HIP

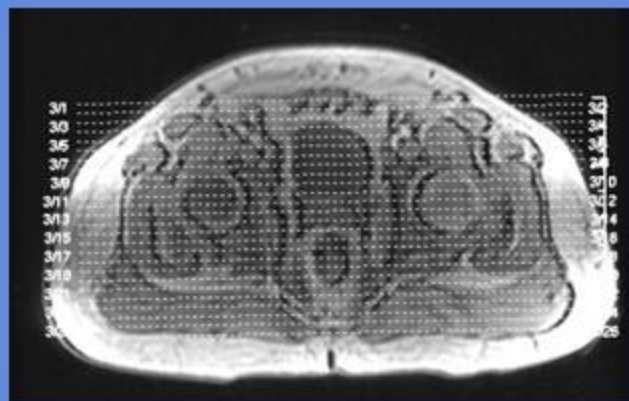
CLINICAL INDICATIONS:	PAIN,FX,AVN.Arthritis,Tendonitis
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[illegible]

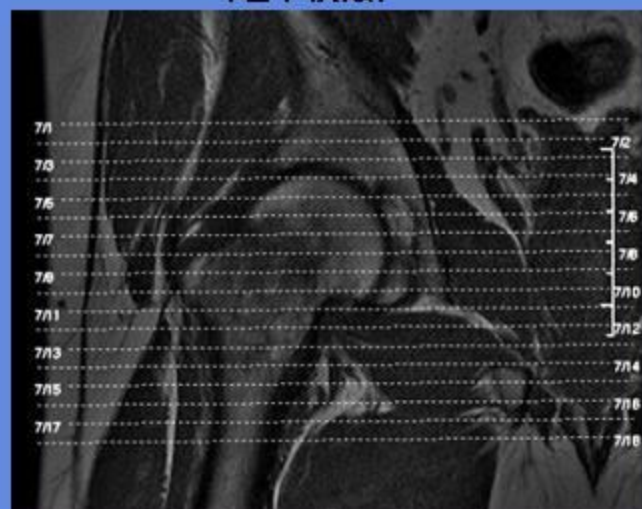
comments:	(T1COR,ST IR COR,AND	INDICATED: RUN SERIES 10 AND 11
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HIP

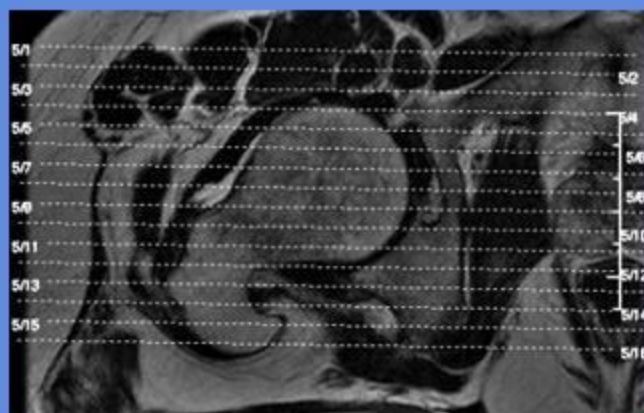
T1&STIR Coronal Pelvis



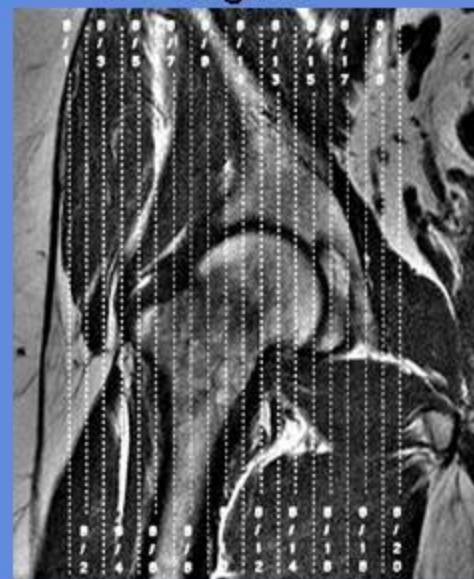
T2 Axial



T1&PD Coronal UNI. Hip



T2 Sagittal

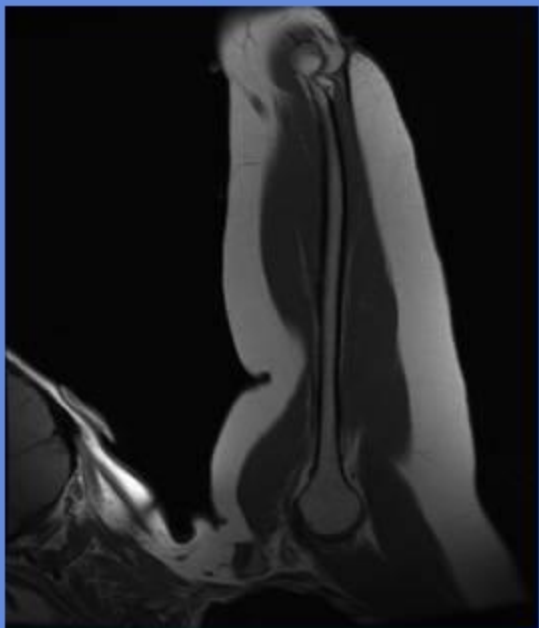


HUMERUS

CLINICAL INDICATIONS:	Pain ,Soft Tissue Mass, Muscle tear
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[illegible]

comments:	If ROI is small,thin do thin axials Place marker on ROI IF CONTRAST
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A sagittal MRI image of the larynx. A white double-headed arrow labeled 'ROI' points to the epiglottis, indicating the region of interest for the study.

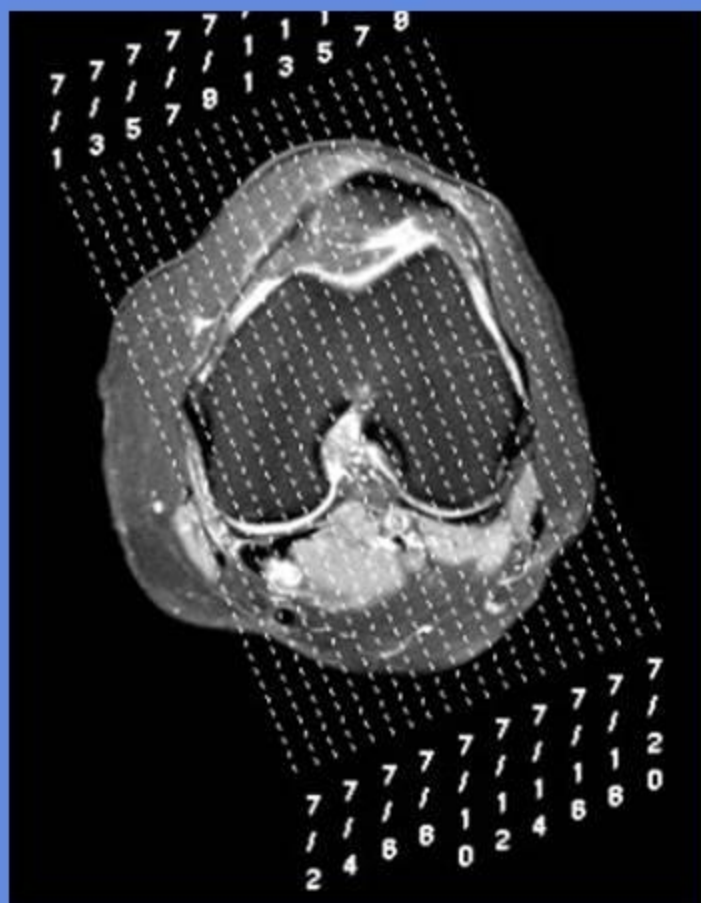
KNEE

CLINICAL INDICATIONS:		FX,AVN,Ligament Injuries					
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7
description	3-PLN LOC	PD AX FS	T1 AX	T1 COR	PF COR FS	PD SAG	T2 SAG FS
entry	supine	supine	supine	supine	supine	supine	supine
position	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First
coil	KNEE	KNEE	KNEE	KNEE	KNEE	KNEE	KNEE
plane	3-PLN	AXIAL	AXIAL	CORONAL	CORONAL	SAGITTAL	SAGITTAL
pulse seq.	FGRE	FSE-XL	FSE-XL	FSE-XL	FSE-XL	FSE-XL	frFSE-XL
im options		FC,TRF,VB,NPW	FC,TRF,VB,NPW	FC,TRF,VB,NPW	FC,TRF,VB,Z512,NPW	FC,TRF,VB,Z512,NPW	FC,TRF,VB,Z512,NPW
PSD Name							
Te		24	Min-Full	Min-Full	17	34	102
TR		2000	501	450	1700	2400	3200
TI							
flip angle							
ETL		6	2	4	6	6	17
RBW		17	32	32	20	16	20
SATS		FAT			FAT,S,I	S,I	FAT,S,I
FOV	25	14	14	13	13	16	16
slice thick	5	4	4	4	4	3.5	3.5
spacing	5	1	1	1	1	1	1
F Phase	256	320	384	384	320	384	320
P Phase	128	192	192	192	192	256	160
NEX	1	3	2	4	4	2	3
Phase FOV	1	1	1	1	1	1	1
FREQ DIR		A/P	A/P	R/L	R/L	A/P	A/P
COVERAGE	KNEE	KNEE	KNEE	KNEE	KNEE	KNEE	KNEE
contrast							

comments:	If ordered for TT-TG: axials should include tibial tubercle.
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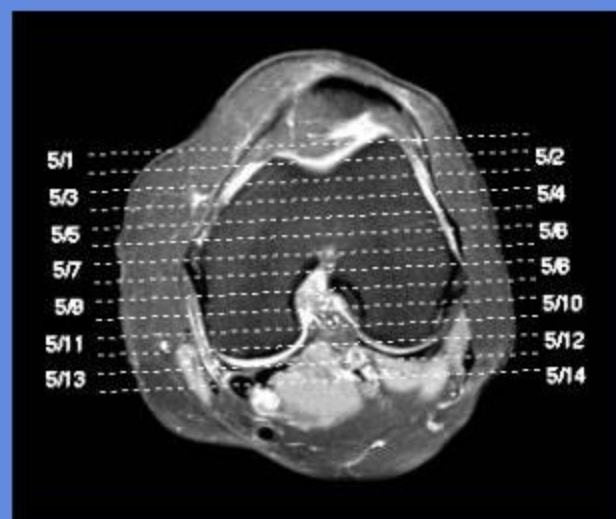
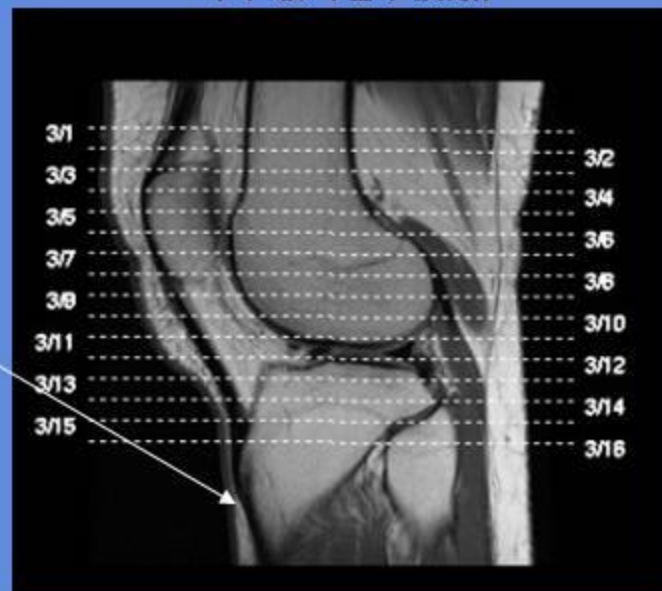
KNEE

T1,T2 & PD Sagittal



TT-TG
SCAN
TO
ARROW

T1 & T2 Axial



PELVIS

CLINICAL INDICATIONS:	PAIN,FX,AVN.Arthritis,Tendonitis
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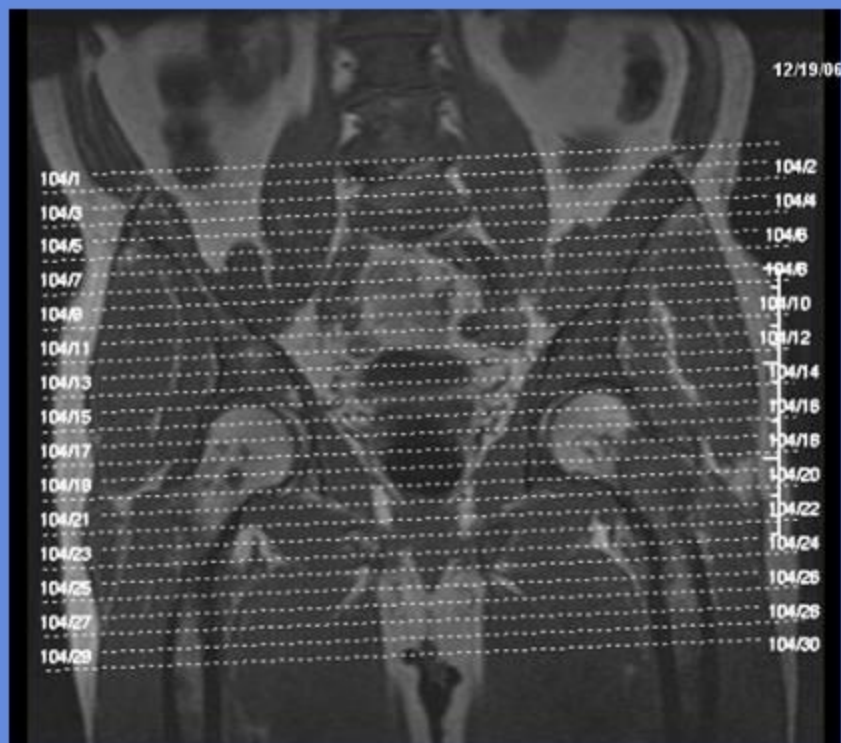
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7
description	3-PLN LOC	T1 COR PELVIS	STIR COR PELVIS	STIR AX	T1 AX	T1 AX FS C+	T1 COR FS C+
entry	supine	supine	supine	supine	supine	supine	supine
position	head first	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First
coil	CTLBOT	TORSOPA	TORSOPA	TORSOPA	TORSOPA	TORSOPA	TORSOPA
plane	3-PLN	CORONAL	CORONAL	AXIAL	AXIAL	AXIAL	CORONAL
pulse seq.	FGRE	Spin Echo	STIR	STIR	Spin Echo	fSPGR	fSPGR
im options		VB,TRF,Z512,SCIC	VB,TRF,Z512,SCIC	VB,TRF,Z512,SCIC	VB,TRF,Z512,SCIC	EDR	EDR
PSD Name							
Te		Min-Full	34	34	Min-Full	out-of-phase	out-of-phase
TR		450	5000	5000	450	150	160
TI			150	150			
flip angle						90	90
ETL			29				
RBW		32	32	32	32	31	31
SATS		S,I	S,I	S,I	S,I	FAT(special) S,I	FAT(special) S,I
FOV	48	36	36	36	36	36	36
slice thick	5	5	5	5	5	5	5
spacing	5	1	1	1	1	1	1
F Phase	256	512	256	256	384	384	384
P Phase	128	224	160	160	192	192	192
NEX	1	2	4	5	2	1	1
Phase FOV	1	1	1	1	1	1	1
FREQ DIR		S/I	S/I	S/I	S/I	R/L	R/L
COVERAGE	PELVIS	PELVIS	PELVIS	PELVIS	PELVIS	PELVIS	PELVIS
contrast						1mmol/kg	1mmol/kg

comments:	IF CONTRAST INDICATED: RUN SERIES 6 AND 7
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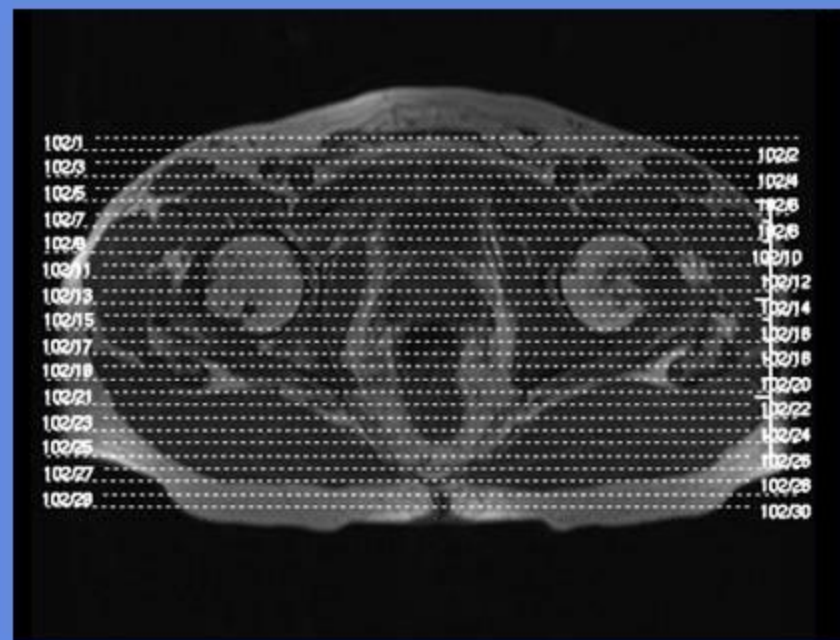
IF CONTRAST
INDICATED: RUN
SERIES 6 AND 7

PELVIS

AXIAL



CORONAL



SHOULDER

CLINICAL INDICATIONS:		RCT ,Pain, arthritis, bone tumors, infection Labral tear SLAP lesion							
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8	SERIES 9
description	3-PLN LOC	T1 AX	AX GRE	PD AX	T2 AX	T1 COR	T2 COR	T1 SAG	T2 SAG
entry	supine	supine	supine	supine	supine	supine	supine	supine	supine
position	head first	head first	head first	head first	head first	head first	head first	head first	head first
coil	SHLDRPA4	SHLDRPA4	SHLDRPA4	SHLDRPA4	SHLDRPA4	SHLDRPA4	SHLDRPA4	SHLDRPA4	SHLDRPA4
plane	3-PLN	AXIAL	AXIAL	AXIAL	AXIAL	CORONAL	CORONAL	SAGITTAL	SAGITTAL
pulse seq.	FGRE	Spin Echo	GRE	FSE-XL	frFSE-XL	FSE-XL	frFSE-XL	Spin Echo	frFSE-XL
im options		NP,VB	NP,VB,Z512	NP,TRF,Z512,VB	NP,TRF,Z512,VB	NP,TRF,Z512,VB	NP,TRF,Z512,VB	NP,TRF,Z512,VB	NP,TRF,Z512,VB
PSD Name							FSEC		FSEC
Te		14	20	Min-Ful	80	16	86	16	86
TR		525	658	1500	3200	450 2 Acqs	2900 2 Acqs	617	2900 2 Acqs
TI									
flip angle			20						
ETL				6	19	2	29		29
RBW		20	11	20	32	16	25	16	25
SATS		I, (LorR)	I, (LorR)	I, (LorR)	I, (LorR)	I, (LorR)	I, (LorR),FAT	I, (LorR)	I, (LorR),FAT
FOV	30	16	16	16	16	12	12	16	16
slice thick	5	4	4	4	4	4	4	4	4
spacing	5	1.5	1.5	1.5	1.5	1	1	1	1
F Phase	256	320	256	256	256	256	256	256	256
P Phase	128	192	192	192	192	192	192	192	192
NEX	1	2	2	3	4	3	6	2	6
Phase FOV	1	1	1	1	1	1	1	1	1
FREQ DIR		R/L	R/L	R/L	R/L	S/I	S/I	S/I	S/I
COVERAGE	SHOULDER	SHOULDER	SHOULDER	SHOULDER	SHOULDER	SHOULDER	SHOULDER	SHOULDER	SHOULDER
contrast				LABRUM	LABRUM				
comments:	IF ARTHROGRAM OR ATTN TO LABRUM, DO LABRUM AXIALS.								

SHOULDER

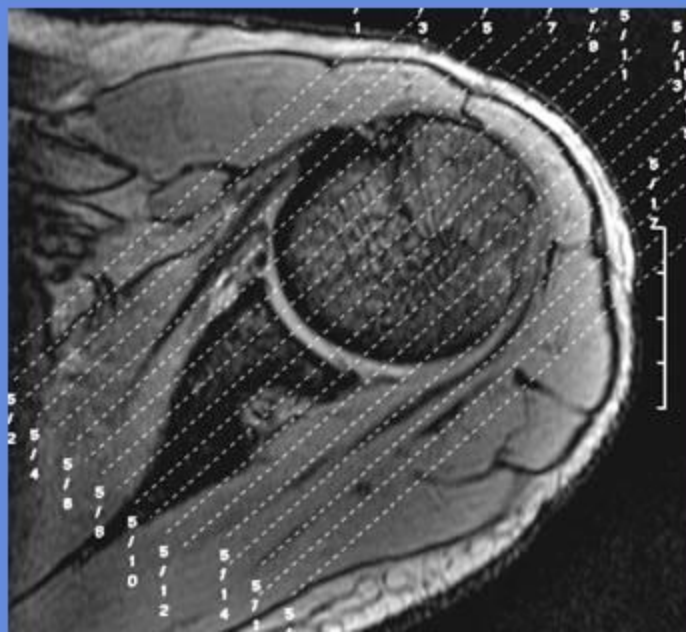
AXIAL



SAGITTAL



CORONAL



THIGH

[illegible]

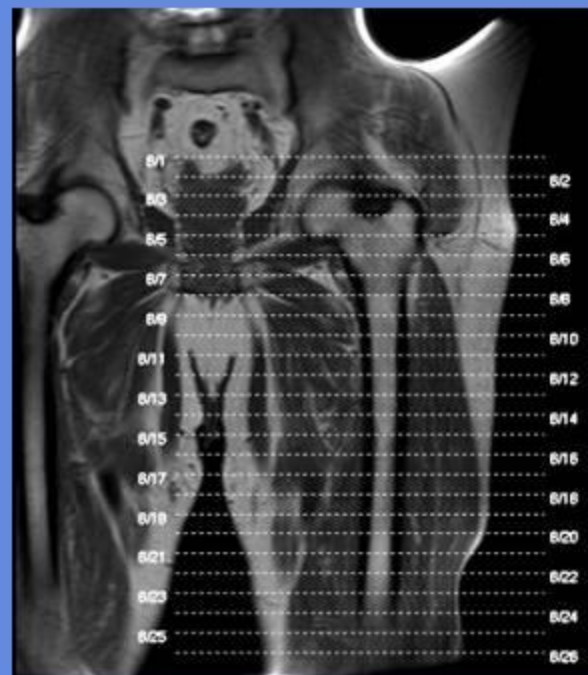
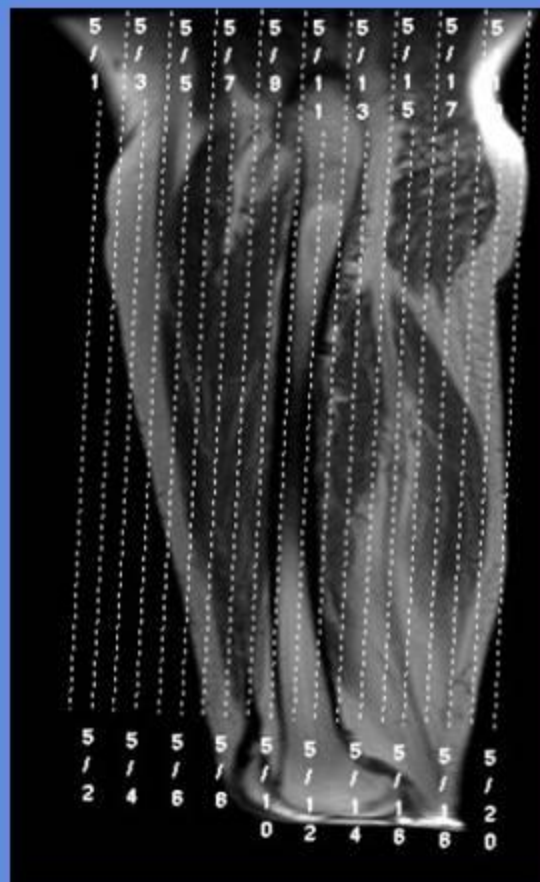
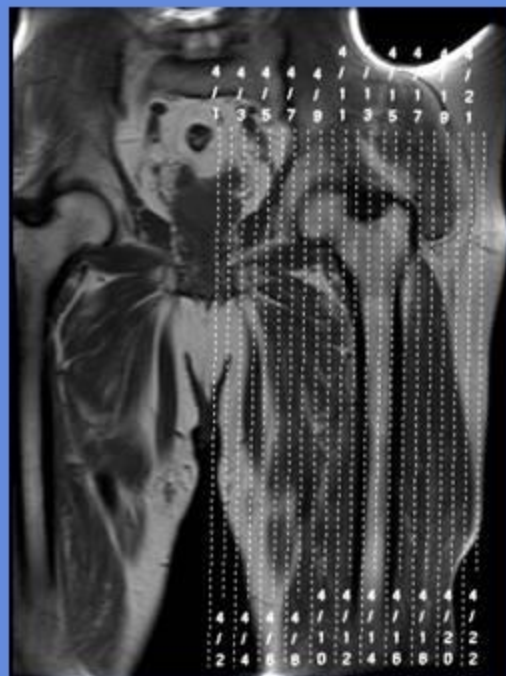
comments:	IF ROI IS ANTERIOR DO SAGITTAL, IF ROI IS MEDIAL DO CORONAL IF CONTRAST INDICATED: RUN SERIES 7 AND 8
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THIGH

CORONAL

AXIALS THUR ROI

SAGITTAL

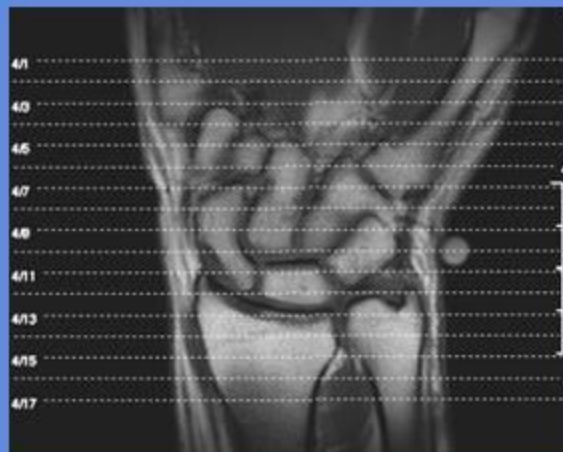


WRIST

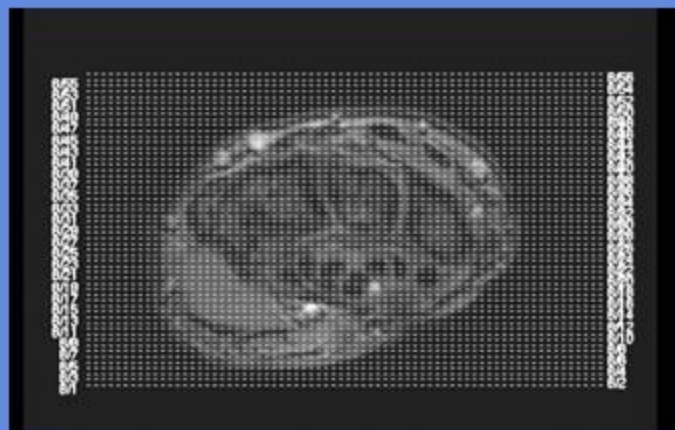
CLINICAL INDICATIONS:		FX, Pain, swelling, Fibrocartilage tears , carpal tunnel								
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8	SERIES 9	SERIES 10
description	3-PLN LOC	T1 AX	T2 AX FS	T1 SAG	GRE COR	STIR COR	T1 COR	3D T1 COR	T1 COR OR SAG FS C+	T1 AX FS C+
entry	Prone	Prone	Prone	Prone	Prone	Prone	Prone	Prone	Prone	Prone
position	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first
coil	HRWRIST	HRWRIST	HRWRIST	HRWRIST	HRWRIST	HRWRIST	HRWRIST	HRWRIST	HRWRIST	HRWRIST
plane	3-PLN	AXIAL	AXIAL	SAGITTAL	CORONAL	CORONAL	CORONAL	CORONAL	COR OR SAG	AXIAL
pulse seq.	FGRE	FSE-XL	frFSE-XL	FSE-XL	GRE	STIR	FSE-XL	fSPGR	fSPGR	fSPGR
im options		EDR,TRF,VB	EDR,TRF,VB,Z512	VB,TRF		VB,TRF,Z512	VB,TRF	Z2,Z512	EDR,Z512	EDR,Z512
PSD Name										
Te		13	100	15	15	50	Min-Full	Min	OUT-OF-PHASE	OUT-OF-PHASE
TR		550	2850	50	500	3750	400		150	150
TI						150				
flip angle					20			10	90	90
ETL		4	19	4		8	2			
RBW		16	20	15	11	16	12	11	31	31
SATS			FAT					FAT(special)	FAT(special)	FAT(special)
FOV	25	10	10	10	10	10	10	10	10	10
slice thick	5	3.5	3.5	3.5	3	3	3	1.8	3	3.5
spacing	5	0.5	0.5	0.3	0.3	0.3	0.3		0.3	0.5
F Phase	256	352	256	352	320	256	352	256	256	256
P Phase	128	162	192	192	192	192	224	192	192	192
NEX	1	3	4	3	2	3	3	3	3	3
Phase FOV	1	0.8	0.75	0.75	0.75	0.75	0.75	0.75	1	1
FREQ DIR		R/L	R/L	S/I	S/I	S/I	S/I	S/I	S/I	S/I
COVERAGE	WRIST	WRIST	WRIST	WRIST	WRIST	WRIST	WRIST	WRIST	WRIST	WRIST
contrast									1mmol/kg	1mmol/kg
comments:	IF CONTRAST INDICATED: RUN SERIES 9 AND 10									

WRIST

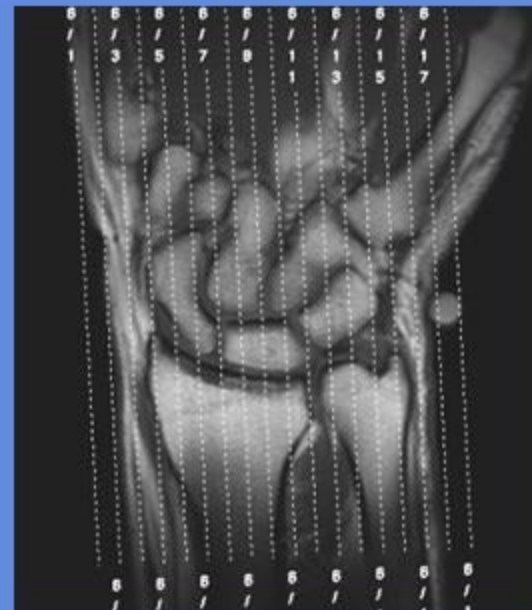
AXIAL



3D CORONAL



SAGITTAL



CORONAL

