

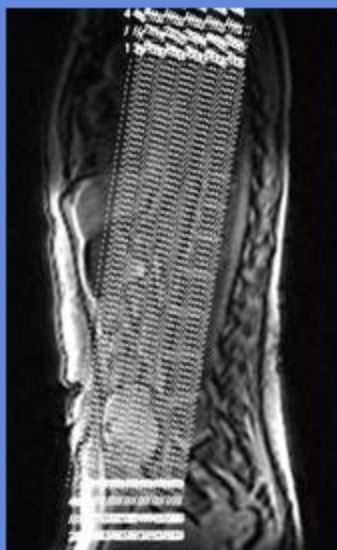
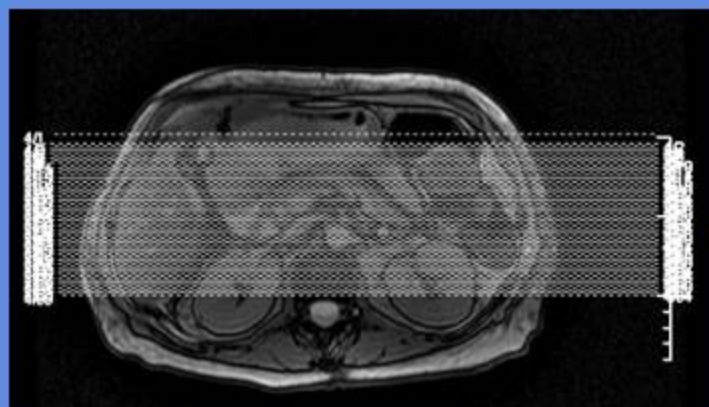
ABDOMINAL ceMRA

IMAGE

CLINICAL INDICATIONS:		Aneurysm, Hypertension					
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7
description	3-PLN LOC	ceMRA	T1 AX FS C+				
entry	supine	supine	supine				
position	Feet First	Feet First	Feet First				
coil	Torso	Torso	TORSO				
plane	3-PLN	CORONAL	AXIAL				
pulse seq.	FGRE	3D Vasc TOF SPGR	fSPGR				
im options		z512,z2,fluro	EDR				
PSD Name							
Te		Min	out-of-phase				
TR			150				
TI							
flip angle		35	90				
ETL							
RBW		62	31				
SATS			FAT,S,I				
FOV	25	42	44				
slice thick	5	3	6				
spacing	5		1				
F Phase	256	256	384				
P Phase	128	160	192				
NEX	1	1	1				
Phase FOV	1	0.9	0.8				
FREQ DIR		S/I	R/L				
COVERAGE	Abdominal aorta	Abdominal aorta	ABDOMEN				
contrast		1mmol/kg	1mmol/kg				
comments:							

ABDOMINAL ceMRA

CORONAL



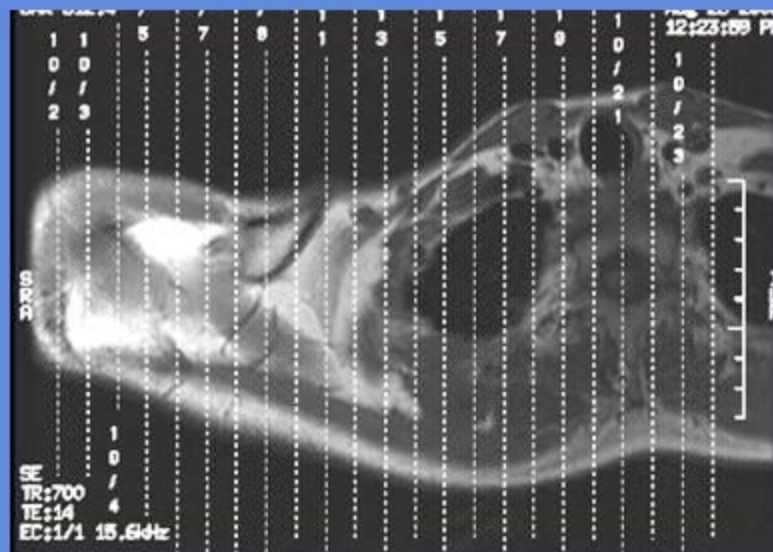
* Rotate 23 slices for each Group

BRACHIAL PLEXUS

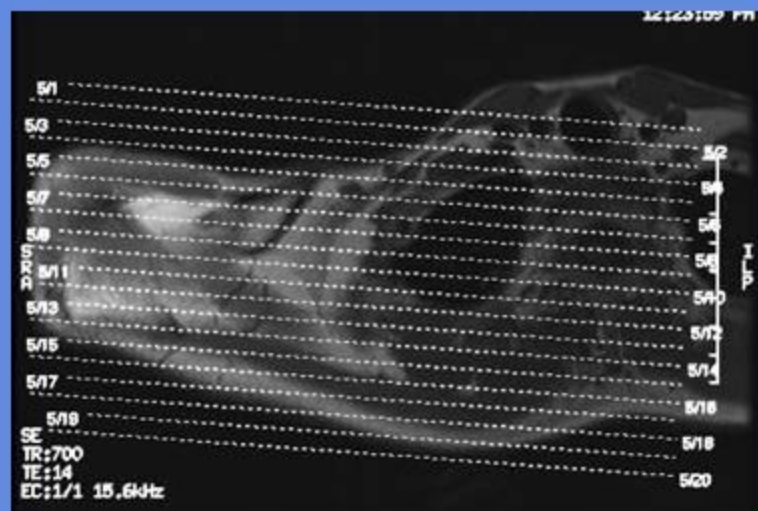
CLINICAL INDICATIONS:		Pain,neural deficit, muscular atrophy, brachial plexus neuritis						
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8
description	3-PLN LOC	STIR COR	T1 COR	T1 AX	STIR AX	T2 SAG FS	STIR SAG	T1 FS C+
entry	supine	supine	supine	supine	supine	supine	supine	supine
position	head first	head first	head first	head first	head first	head first	head first	head first
coil	NEUROVAS	NEUROVA S	NEUROVAS	NEUROVAS	NEUROVAS	NEUROVAS	NEUROVAS	NEUROVAS
plane	3-PLN	CORONAL	CORONAL	AXIAL	AXIAL	SAGITTAL	SAGITTAL	PER RADIOLOIGST
pulse seq.	FGRE	STIR	FSE-XL	Spin Echo	STIR	frFSE-XL	STIR	fSPGR
im options		RT,NP,TRF	RC,NP,TRF	RC,NP,TRF,Z512	RT,NP,TRF,Z512	RT,NP,TRF	RT,NP,TRF,Z512	EDR,Z512
PSD Name						FSEC		
Te		34	Min-Full	Min-Full	34	104	34	OUT-OF-PHASE
TR			400	400				150
TI		150			150		150	
flip angle								90
ETL		18	2		10	15	18	
RBW		50	50	16	50	50	50	31
SATS		S,I	S,I	S,I	S/I	S,I	S,I	FAT(special) S,I
FOV	48	32	32	26	26	24	32	26
slice thick	5	4	4	5	5	6	6	6
spacing	5	1	1	2	2	1.5	1.5	2.5
F Phase	256	320	512	256	256	320	256	256
P Phase	128	160	192	160	128	160	192	192
NEX	1	2	2	2	2	3	2	3
Phase FOV	1	1	1	1	1	1	1	1
FREQ DIR		R/L	R/L	R/L	A/P	S/I	S/I	S/I
COVERAGE				C4-T4	C4-T4			ROI
contrast								1mmol/kg
comments:	CONTRAST PER RADIOLOGIST							

BRACHIAL PLEXUS

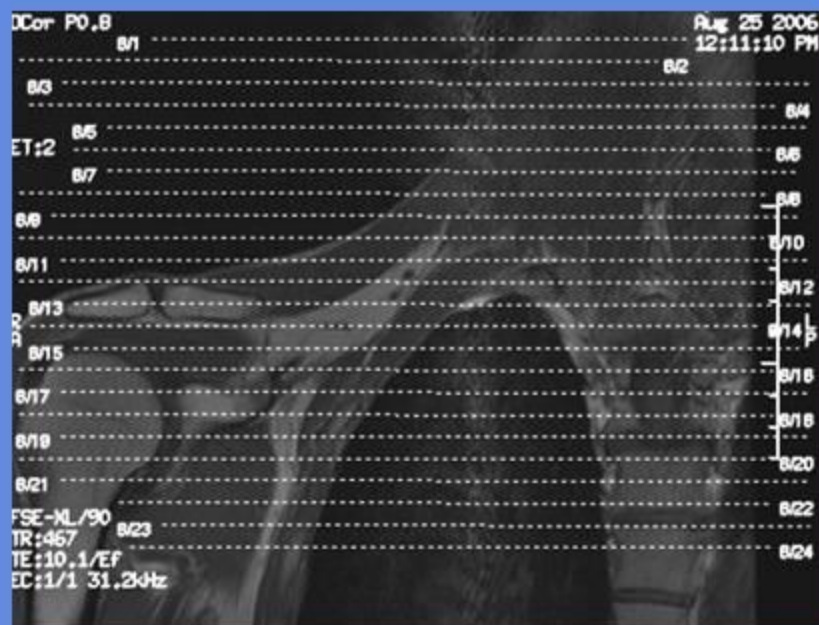
SAGITTAL



CORONAL

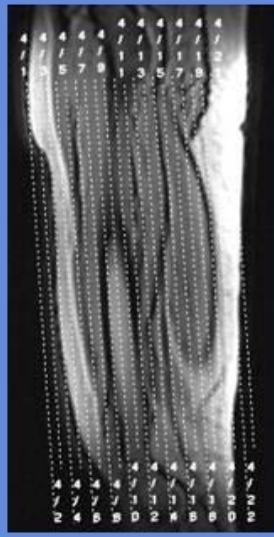


AXIAL



D 5 (Lump and Bump)								
CLINICAL INDICATIONS:		Soft tissue mass						
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8
description	3-PLN LOC	T1 SAG/COR	STIR SAG/COR	T1 AX	GRE AX	STIR AX	T1 SAG/COR FS C+	T1 AX FS C+
entry	supine	supine	supine	supine	supine	supine	supine	supine
position	head first	Feet First	Feet First	Feet First	Feet First	Feet First	head first	head first
coil	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA	TORSO PA
plane	3-PLN	ROI	ROI	AXIAL	AXIAL	AXIAL	CORONAL	AXIAL
pulse seq.	FGRE	FSE-XL	STIR	FSE-XL	GRE	STIR	fSPGR	fSPGR
im options		NP,VB,EDR,TRF	NP,VB,SEQ,EDR,TRF	NP,VB,TRF	FC,NP,VB	NP,VB,SEQ,Z512,TRF	EDR,Z512	EDR,Z512
PSD Name								
Te		8	34	Min Full	20	34	OUT-OF-PHASE	OUT-OF-PHASE
TR		600	6500	600	651	5700	150	150
TI			150			150		
flip angle					20		90	90
ETL		4	18	2		18		
RBW		31	21	23	27	21	31	31
SATS							FAT(special) S,I	FAT(special) S,I
FOV	25	40	40	20	20	20	36	26
slice thick	5	5	5	10	10	10	5	6
spacing	5	1	1	3	3	3	1	1.5
F Phase	256	512	320	320	384	256	256	256
P Phase	128	320	224	256	224	192	192	192
NEX	1	3	2	2	1.5	2	3	3
Phase FOV	1	1	1	1	1	1	1	1
FREQ DIR		A/P	R/L	R/L	R/L	R/L	S/I	S/I
COVERAGE	ROI	ROI	ROI	ROI	ROI	ROI	ROI	ROI
contrast							1mmol/kg	1mmol/kg
comments:	IF ROI IS ANTERIOR DO SAGITTAL, IF ROI IS MEDIAL DO CORONAL IF CONTRAST INDICATED: RUN SERIES 7 AND 8							

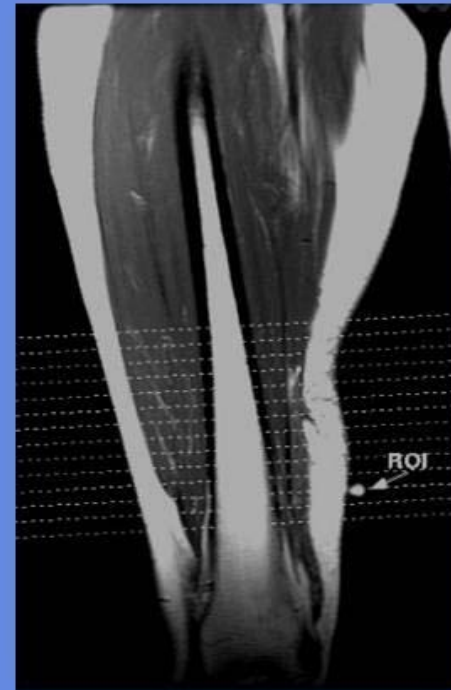
LUMP AND BUMP



← CORONAL



AXIALS THUR ROI

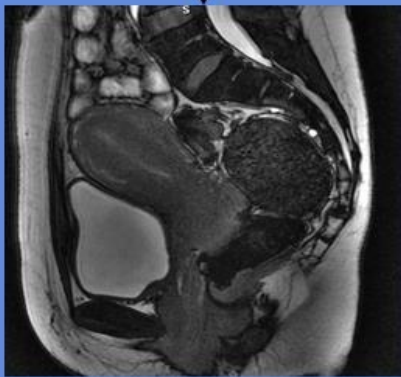
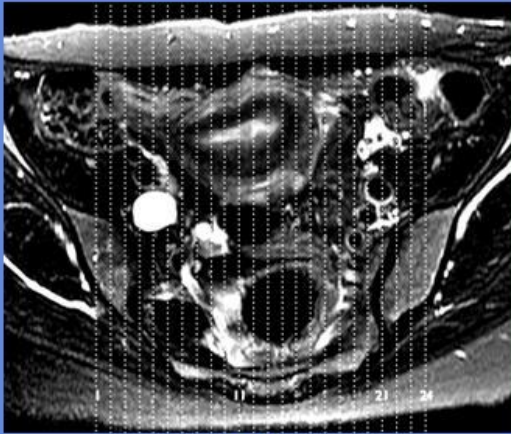


ENDOMETRIAL CA

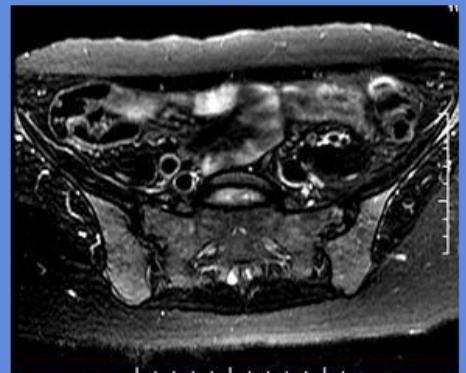
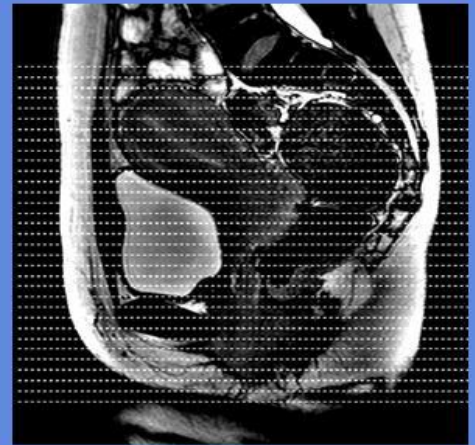
CLINICAL INDICATIONS:		suspected uterine masses, uterine anomalies						
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8
description	3-PLN LOC	T2 SAG	T1 AX	T2 AX	T2 AX FS	FAME SAG	FAME SAG FS C+	T1 AX FS C+
entry	supine	supine	supine	supine	supine	supine	supine	supine
position	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First
coil	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO
plane	3-PLN	SAGITTAL	AXIAL	AXIAL	AXIAL	SAGITTAL	SAGITTAL	AXIAL
pulse seq.	FGRE	frFSE-XL	Spin Echo	frFSE-XL	frFSE-XL	Vasc TOF SPGR	Vasc TOF SPGR	fSPGR
im options		EDR,TRF,VB	RC,NP,EDR	RT,TRF,FC	RT,TRF,FC	EDR,Z2	EDR,Z2,mPh	EDR
PSD Name		FSEC						
Te		104	12	90	90	Min	Min	out-of-phase
TR		4050	400			prep 39	prep 39	160
TI								
flip angle						15	15	90
ETL		17		25	25			
RBW		32	32	41	41	31	31	31
SATS		S,I		S,I	FAT, S,I	FAT	FAT	FAT,S,I
FOV	48	26	24	24	24	26	26	44
slice thick	5	4	5.5	4	4	7	7	6
spacing	5	1	INTERLE AVE	1	1	0	0	1
						38 locs	38 locs	
F Phase	256	320	320	320	320	256	256	384
P Phase	128	160	160	192	192	128	128	192
NEX	1	4	1.5	4	4	4	4	1
Phase FOV	1	1	1	1	1	1	1	0.8
FREQ DIR		S/I	S/I	R/L	R/L	R/L	R/L	R/L
COVERAGE							5 PHASES	
contrast							1mmol/kg	1mmol/kg
comments:	30 SEC. Scan delay after start of injection no pause between phases Glucagon: 1mg IM administered 5 to10 minutes prior to procedure							

ENDOMETRIAL CA

Sagittal



Axial



FIBROID

CLINICAL INDICATIONS:		suspected uterine masses, uterine anomalies					
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7
description	3-PLN LOC	SSFSE SAG	T2 SAG	FMSPGR SAG	T2 AX	FAME SAG	FAME SAG FS C+
entry	supine	supine	supine	supine	supine	supine	supine
position	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First	Feet First
coil	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO
plane	3-PLN	SAGITTAL	SAGITTAL	SAGITTAL	AXIAL	SAGITTAL	SAGITTAL
pulse seq.	FGRE	SSFSE	frFSE-XL	fMSPGR	frFSE-XL	Vasc TOF SPGR	Vasc TOF SPGR
im options		EDR,TRF,VB	EDR,TRF,VB	EDR,TRF,VB	RT,TRF,FC	EDR,Z2	EDR,Z2,mPh
PSD Name		FSEC	FSEC				
Te		90	104	IP	90	Min	Min
TR			2500	150	2500	prep 39	prep 39
TI							
flip angle						15	15
ETL			17		25		
RBW		32	32	15	41	31	31
SATS		S,I	S,I	S,I	S,I	FAT	FAT
FOV	48	28	26	26	24	26	26
slice thick	5	4	4	4	4	7	7
spacing	5	1	1	1	1	0	0
						38 locs	38 locs
F Phase	256	320	320	320	320	256	256
P Phase	128	224	224	160	192	128	128
NEX	1	4	4	4	4	4	4
Phase FOV	1	1	1	1	1	1	1
FREQ DIR		S/I	S/I	S/I	R/L	R/L	R/L
COVERAGE							5 PHASES
contrast							1mmol/kg

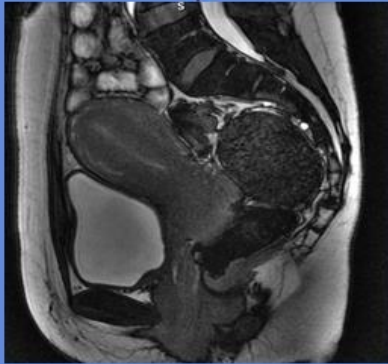
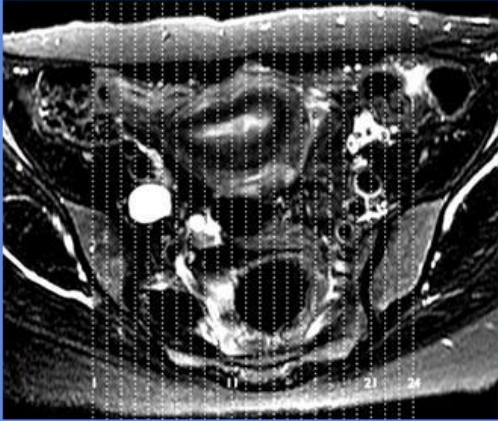
30 SEC. Scan delay after start of injection no pause between phases

Glucagon:
1mg IM
administered
5 to 10
minutes prior
to procedure

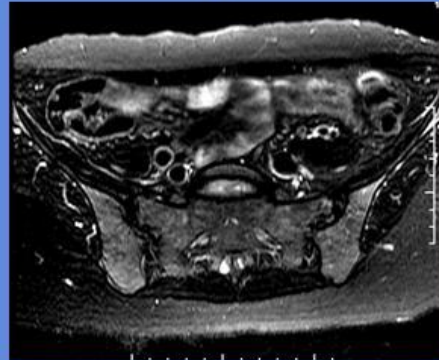
comments:

FIBROID

Sagittal



Axial

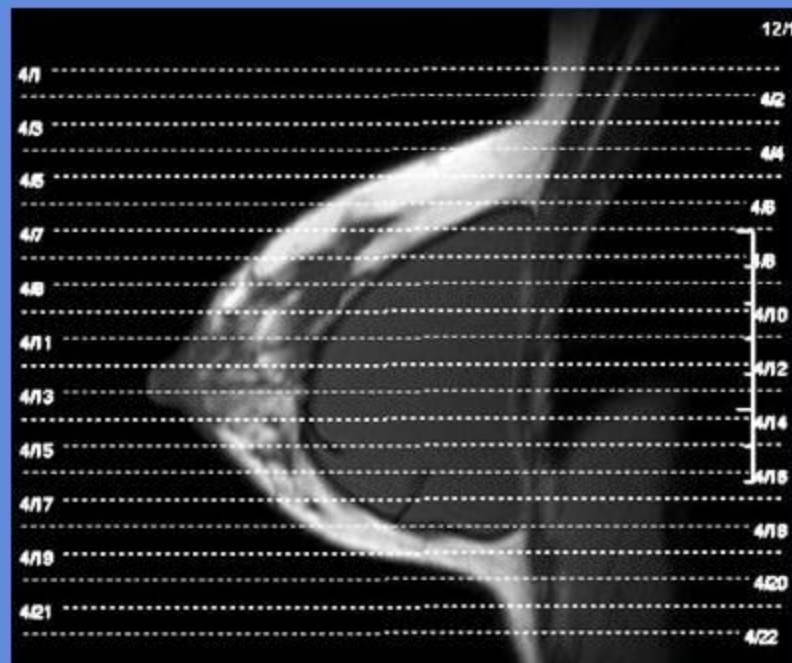


IMPLANT BREAST

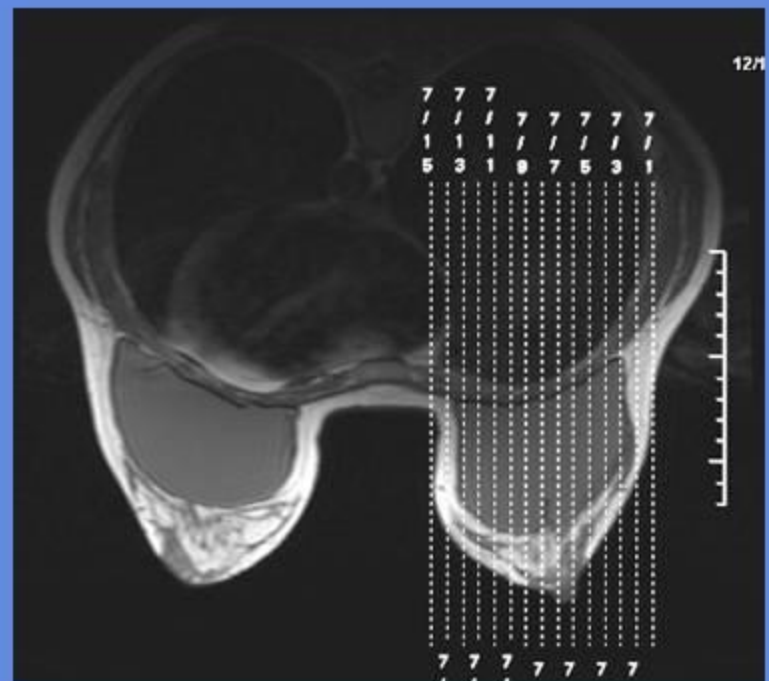
CLINICAL INDICATIONS:	IMPLANT RUPTURE						
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7
description	SAG STIR WS	AX STIR WS	AX T2	AX T1			
entry	feet first	feet first	feet first	feet first			
position	prone	prone	prone	prone			
coil	breast	breast	breast	breast			
plane	sagittal	axial	axial	axial			
pulse seq.	STIR	STIR	frFSE-XL	VIBRANT			
PSD Name							
im options	vb,fc,Trf	vb,fc,Trf	vb,fc,Trf	vb,fc,Trf			
flip angle							
Te	54	54	85				
TR	6500	6500	4200				
# echos	1	1	1				
TI	150	150					
ETL	22	22	21				
FOV	36	36	36	30-36			
RBW	62.5	62.5	41	41.67			
Phase FOV	1	1	1	1			
slice thick	6	6	6	2.4			
spacing	1.5	1.5	1.5	0			
SATS	WATER	WATER					
F Phase	384	384	320	512			
P Phase	128	128	160	512			
Swap PF	n	n					
Freq. Dir.	A/P	A/P	A/P	A/P			
NEX	3	3					
contrast	no	no	no	no			
dose	n/a	n/a	n/a	n/a			
# of passes	n/a	n/a	n/a	n/a			

BREAST (IMPLANT STUDY)

Axial



Sagittal



LIVER IRON STUDY

CLINICAL INDICATIONS:		Lesions, lymph nodes and blood vessels,hemochromatosis											
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	TE 300 COR	IN/OUT AX	T2 AX FS	GRE T1	GRE PD	GRE T2	GRE T2+	GRE T2 ++	FAME AX FS	FAME AX FS C+	T1 COR 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	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO
plane	3-PLN	CORONAL	AXIAL	AXIAL	AXIAL	AXIAL	AXIAL	AXIAL	AXIAL	AXIAL	AXIAL	CORONAL	AXIAL
pulse seq.	FGRE	SSFSE	fSPGR	frFSE-XL	GRE	GRE	GRE	GRE	GRE	Vasc TOF SPGR	Vasc TOF SPGR	fSPGR	fSPGR
im options		Z512	EDR	FC,TRF,TR,						EDR,Z2	EDR,Z2	EDR	EDR
PSD Name													
Te		300	dual echo	90	4	4	9	14	21	Min	Min	out-of-phase	out-of-phase
TR		Min	150		120	120	120	120		prep 39	prep 39	150	150
TI													
flip angle			80		90	20	20	20	20	3	15	90	90
ETL				25									
RBW		31		41	31	31	25	16	12	62	62	31	31
SATS		S,I	S,I	FAT, S,I	NONE	NONE	NONE	NONE	NONE	FAT	FAT	FAT, S,I	FAT,S,I
FOV	48	44	44	44	30 TO 45	30 TO 45	30 TO 45	30 TO 45	30 TO 45	44	44	48	44
slice thick	5	7	6	6	10	10	10	10	10	5	5	7	6
spacing	5	1	1	1	TO COVER	TO COVER	TO COVER	TO COVER	TO COVER	0	0	1	1
					5 SLICES	5 SLICES	5 SLICES	5 SLICES	5 SLICES	38 locs	38 locs		
F Phase	256	256	320	320	256	256	256	256	256	256	256	384	384
P Phase	128	128	192	192	128	128	128	128	128	128	128	128	192
NEX	1		1	4	1	1	1	1	1	1	1	1	1
Phase FOV	1	1	0.8	1	1	1	1	1	1	1	1	1	0.8
FREQ DIR		S/I	R/L	R/L	R/L	R/L	R/L	R/L	R/L	R/L	R/L	S/I	R/L
COVERAGE													
contrast											3 passes	5 min delay	10 min delay
											1mmol/kg	1mmol/kg	1mmol/kg
comments:	Glucagon: 1mg IM administered 2 minutes prior to procedure Dynamic Scan timming: 30 SEC. 1 MIN. Liver iron quantification by MRI (1.5 Tesla)												

MRCP

CLINICAL INDICATIONS:

Common bile duct, Pancreatic duct ,and Gall bladder, Stones

parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 5	SERIES 6	SERIES 7	SERIES 8
description	3-PLN LOC	TE 300 COR	IN/OUT AX	T2 AX FS	MRCP	T2 STONE AX	T2 STONE AX FS	LAVA OR FAME AX	LAVA or FAME AX FS C+	T1 COR FS C+	T1 AX FS C+
entry	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
coil	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO
plane	3-PLN	CORONAL	AXIAL	AXIAL	OBL	AXIAL	AXIAL	AXIAL	AXIAL	CORONAL	AXIAL
pulse seq.	FGRE	SSFSE	fSPGR	frFSE-XL	SSFSE	frFSE-XL	frFSE-XL	Vasc TOF SPGR	Vasc TOF SPGR	fSPGR	fSPGR
im options		Z512	EDR	RT,TRF,FC	EDR	RT,TRF,Z512,FC	RT,TRF,Z512,FC	EDR,Z2	EDR,Z2	EDR	EDR
PSD Name											
Te		300	dual echo	90	1170	140	140	Min	Min	out-of-phase	out-of-phase
TR		Min	150		4000			prep 39	prep 39	160	160
TI											
flip angle			80					15	15	80	90
ETL				25		23	23				
RBW		31		41	31	41	41	62	62	31	31
SATS		S,I	S,I	FAT, S,I		S,I	FAT,S,I	FAT	FAT	FAT, S,I	FAT,S,I
FOV	48	44	44	44	27	36	36	44	44	48	44
slice thick	5	7	6	6	40	4	4	5	5	7	6
spacing	5	1	1	1		1	1	0	0	1	1
								38 locs	38 locs		
F Phase	256	256	320	320	320	256	256	256	256	384	384
P Phase	128	128	192	192	224	160	160	128	128	128	192
NEX	1		1	4		4	4	1	1	1	1
Phase FOV	1	1	0.8	1	1	1	1	1	1	1	0.8
FREQ DIR		S/I	R/L	R/L	R/L	R/L	R/L	R/L	R/L	S/I	R/L
COVERAG E									3 passes	5 min delay	10 min delay
contrast									1mmol/kg	1mmol/kg	1mmol/kg

comments:	HRS	timing:	30 SEC.
	Glucagon: 1mg IM administer ed 2 minutes prior to procedure		

PREP: IF POSSIBLE NPO FOR 6 HRS Glucagon: 1mg IM administered 2 minutes prior to procedure	Scan timing: 30 SEC.
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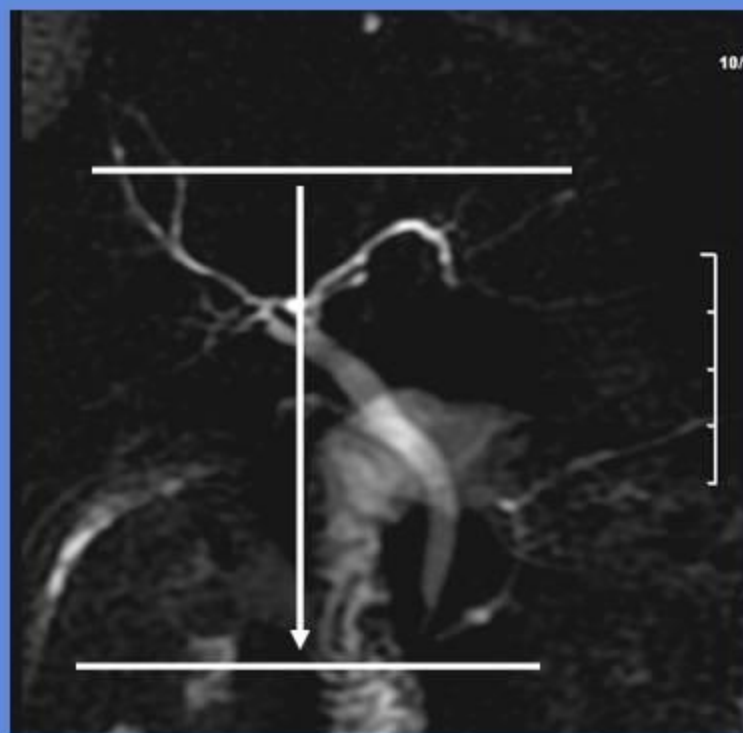
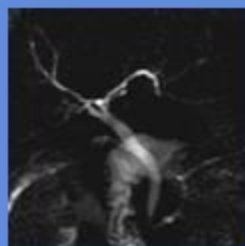
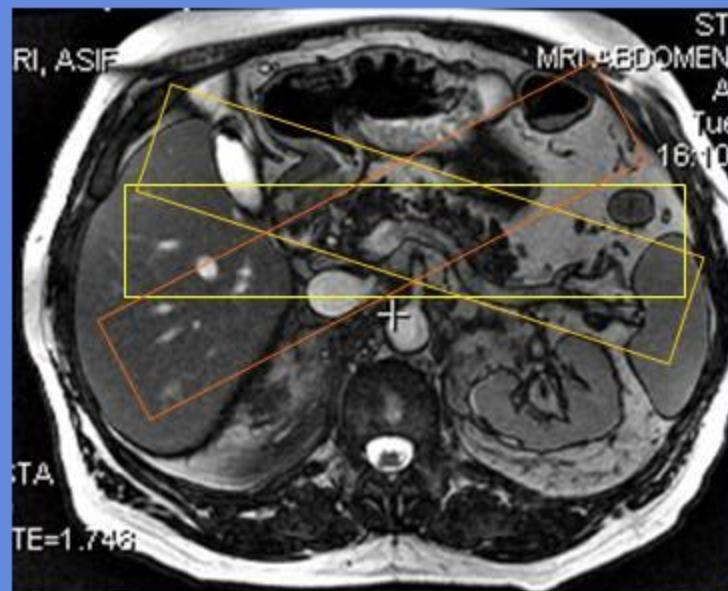
Glucagon:
1mg IM
administered 2
minutes
prior to
procedure

Scan
timming: 30 SEC.

MRCP

Stone Axials

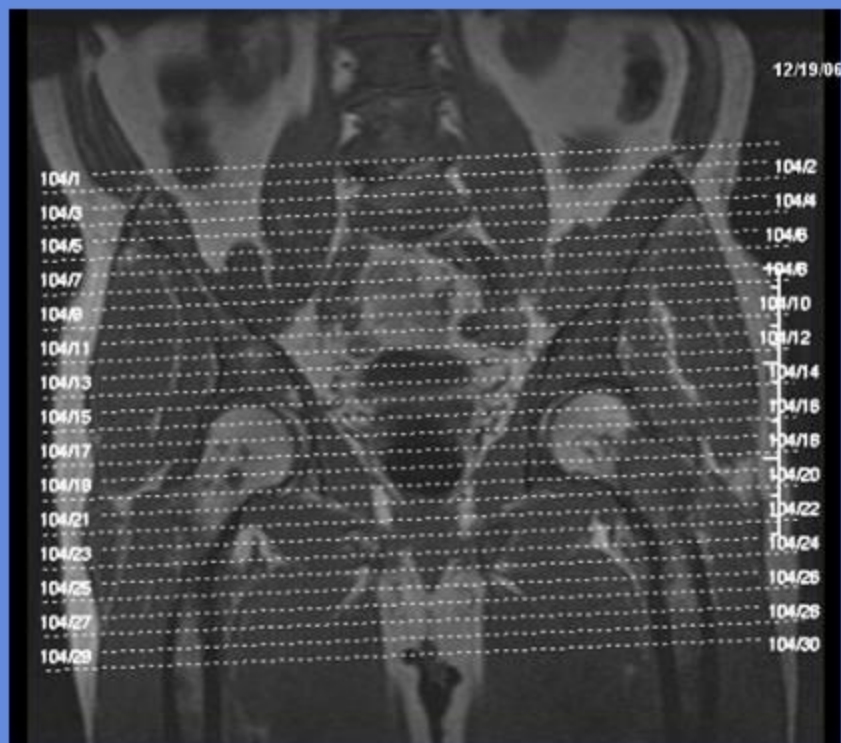
MRCP



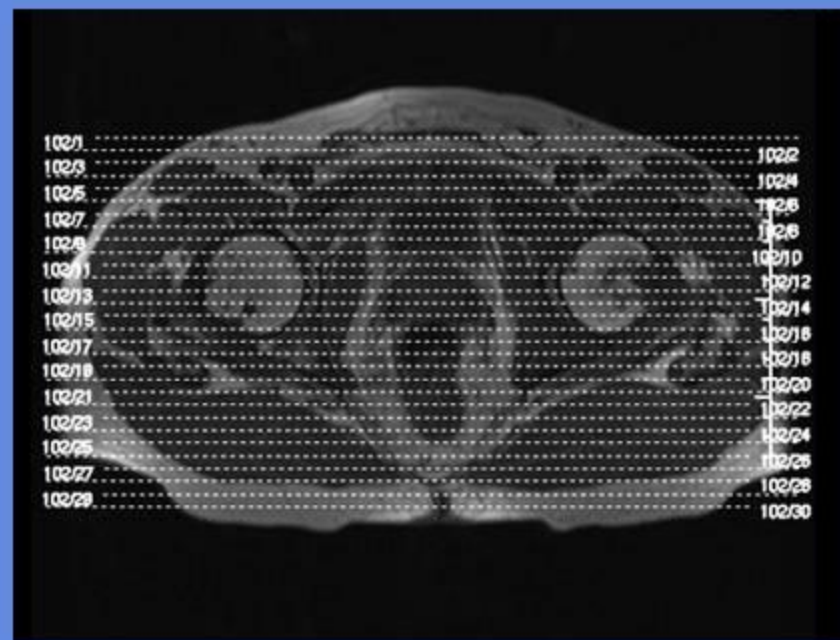
PELVIS							
CLINICAL INDICATIONS:		PAIN,FX,AVN.Arthritis,Tendonitis					
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7
description	3-PLN LOC	T1 COR PELVIS	STIR COR PELVIS	STIR AX	T1 AX	T1 COR FS C+	T1 AX FS C+
entry	supine	supine	supine	supine	supine	supine	supine
position	head first	Feet First	Feet First	Feet First	Feet First	head first	head first
coil	CTLBOT	TORSOPA	TORSOPA	TORSOPA	TORSOPA	TORSOPA	TORSOPA
plane	3-PLN	CORONAL	CORONAL	AXIAL	AXIAL	CORONAL	AXIAL
pulse seq.	FGRE	Spin Echo	STIR	STIR	Spin Echo	fSPGR	fSPGR
im options		VB,TRF,SCIC	VB,TRF,Z512,SCIC	VB,TRF,Z512,SCIC	VB,TRF,SCIC	EDR,Z512	EDR,Z512
PSD Name							
Te		Min-Full	34	34	Min-Full	OUT-OF-PHASE	OUT-OF-PHASE
TR		450	5000	5000	450	150	150
TI			150	150			
flip angle						90	90
ETL							
RBW		31.5	32	32	31.5	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	26
slice thick	5	5	5	5	5	5	6
spacing	5	1	1	1.5	1.5	1	1.5
F Phase	256	512	256	256	512	256	256
P Phase	128	224	160	160	224	192	192
NEX	1	2	5	5	2	3	3
Phase FOV	1	1	1	1	1	1	1
FREQ DIR		S/I	S/I	S/I	S/I	S/I	S/I
COVERAGE	PELVIS	PELVIS	PELVIS	PELVIS	PELVIS	ROI	ROI
contrast						1mmol/kg	1mmol/kg
comments:	IF CONTRAST INDICATED: RUN SERIES 6 AND 7						

PELVIS

AXIAL



CORONAL



SOFT TISSUE NECK

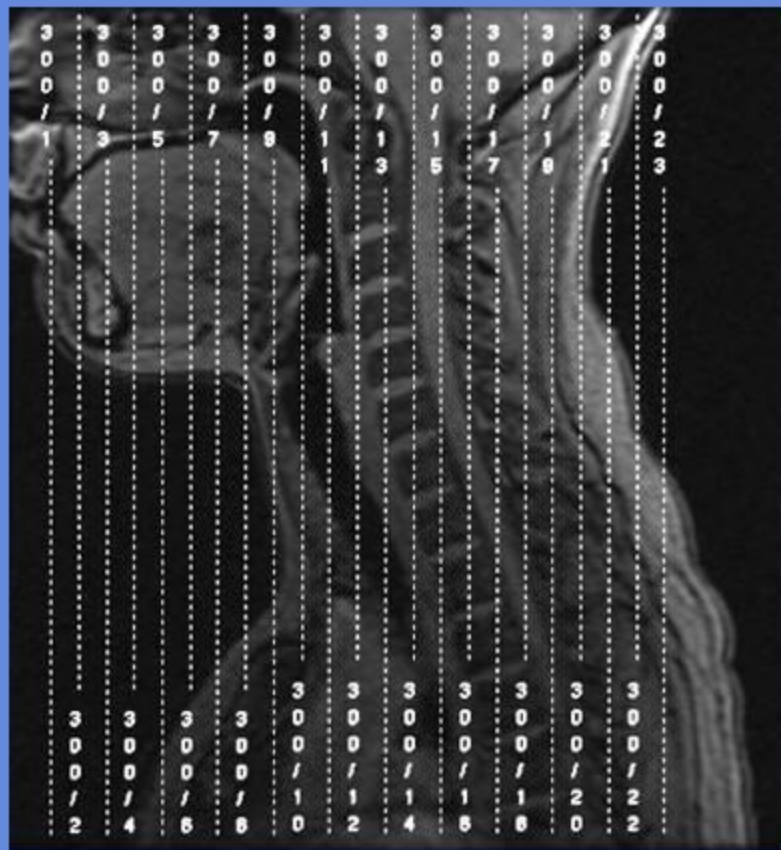
CLINICAL INDICATIONS: Numbness, Pain ,H/A'S,Cancer

parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8
description	3-PLN LOC	STIR COR	T1 COR	STIR AX	GRE AX	T1 AX	T1 COR C+	T1 AX FS C+
entry	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
coil	CTLTOP	NEUROVAS	NEUROVAS	NEUROVAS	NEUROVAS	NEUROVAS	NEUROVAS	NEUROVAS
plane	3-PLN	CORONAL	CORONAL	AXIAL	AXIAL	AXIAL	CORONAL	AXIAL
pulse seq.	FGRE	FSEIR	FSE-XL	FSEIR	GRE	FSE-XL	fSPGR	fSPGR
im options		VB,TRF	NP,TRF	VB,TRF	FC,NPW,Z512	NP,TRF	EDR,Z512	EDR,Z512
PSD Name								
Te		34	MIN-FUL	34	20	MIN-FUL	OUT-OF-PHASE	OUT-OF-PHASE
TR		6600	491	6600	550	491	150	150
TI		150		150				
flip angle					20		90	80
ETL		18	2	18		4		
RBW		50	50	50	16	31	31	31
SATS		S,I	S,I	S,I	S,I	S,I	FAT(special) S,I	FAT(special) S,I
FOV	25	26	26	26	26	26	26	26
slice thick	5	6	6	5	5	6	6	6
spacing	5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
F Phase	256	512	512	512	256	320	256	256
P Phase	128	192	192	192	192	192	192	192
NEX	1	4	2	4	2	3	3	4
Phase FOV	1	1	1	1	1	1	1	1
FREQ DIR		S/I	R/L	S/I	A/P	A/P	S/I	S/I
COVERAGE	spine	NECK	NECK	NECK	NECK	NECK	NECK	NECK
contrast							1mmol/kg	1mmol/kg

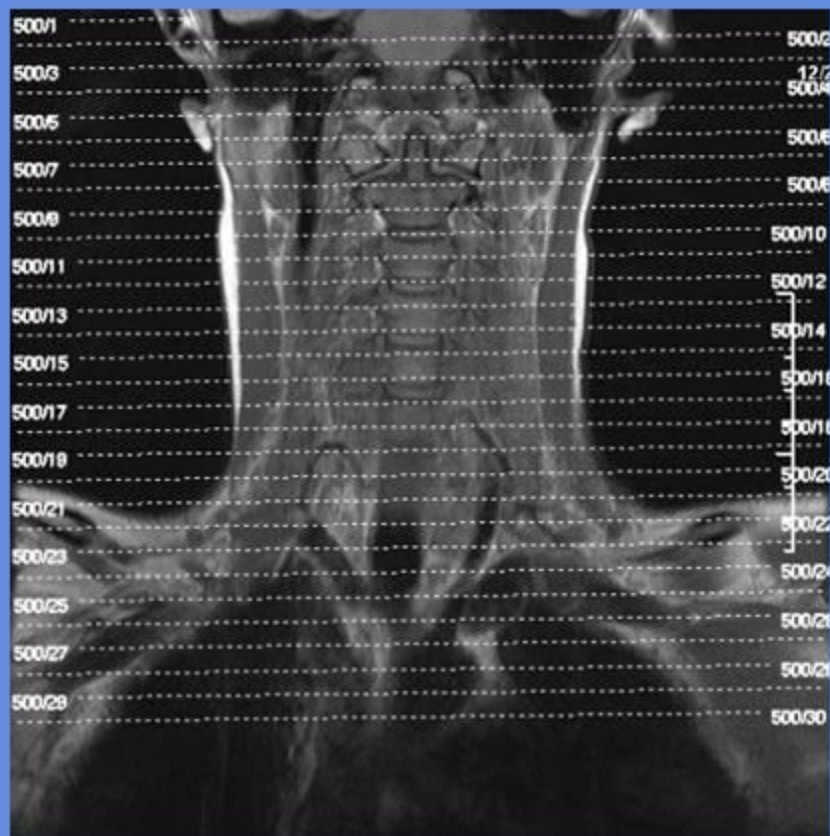
comments: Marker(s) on ROI

SOFT TISSUE NECK

CORONAL



AXIAL



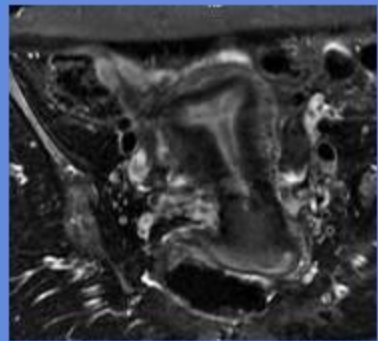
UTERUS

CLINICAL INDICATIONS:		suspected uterine masses, uterine anomalies							
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7	SERIES 8	SERIES 9
description	3-PLN LOC	T2 SAG	T1 AX	IN/OUT AX	T2 SHORT (AX)	T2 LONG (COR)	FAME SAG	FAME 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	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO	TORSO
plane	3-PLN	SAGITTAL	AXIAL	AXIAL	OBL	OBL	SAGITTAL	SAGITTAL	AXIAL
pulse seq.	FGRE	frFSE-XL	Spin Echo	fSPGR	frFSE-XL	frFSE-XL	Vasc TOF SPGR	Vasc TOF SPGR	fSPGR
im options		EDR,TRF,VB	RC,NP,EDR	EDR	VB,EDR,TRF	VB,EDR,TRF	EDR,Z2	EDR,Z2,mPh	EDR
PSD Name		FSEC							
Te		104	12	dual echo	126	126	Min	Min	out-of-phase
TR		4050	400	150	6017	6017	prep 39	prep 39	160
TI									
flip angle				80			15	15	90
ETL		17			25	25			
RBW		32	32		32	32	31	31	31
SATS		S,I	S,I,FAT	S,I			FAT	FAT	FAT,S,I
FOV	48	26	24	44	24	24	26	26	44
slice thick	5	4	5.5	6	4	4	7	7	6
spacing	5	1	INTERLEAVE	1	1	1	0	0	1
							38 locs	38 locs	
F Phase	256	320	320	320	320	320	256	256	384
P Phase	128	160	160	192	160	160	128	128	192
NEX	1	4	1.5	1	5	5	4	4	1
Phase FOV	1	1	1	0.8	1	1	1	1	0.8
FREQ DIR		S/I	S/I	R/L	S/I	S/I	R/L	R/L	R/L
COVERAGE								5 PHASES	
contrast								1mmol/kg	1mmol/kg
comments:	Glucagon: 1mg IM administered 5 to10 minutes prior to procedure 30 SEC. Scan delay after start of injection no pause between phases								

UTERUS

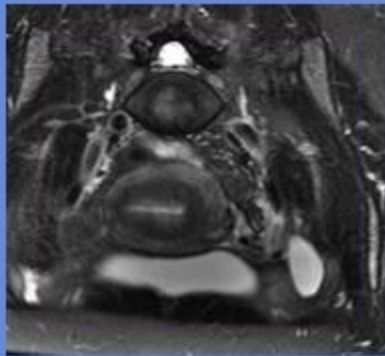
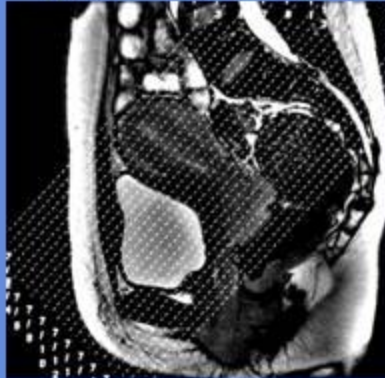
long AXIS

Coronal TO Uterus

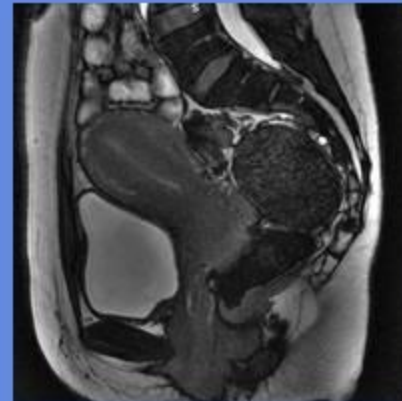
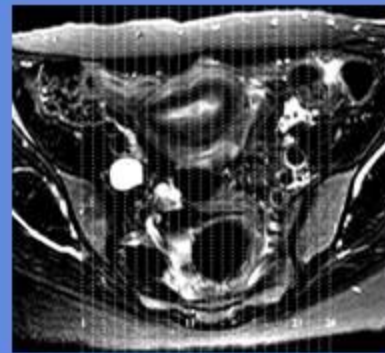


Short AXIS

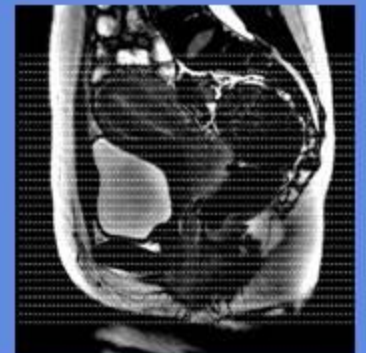
Axial TO Uterus



Sagittal



Axial



VIBRANT BREAST

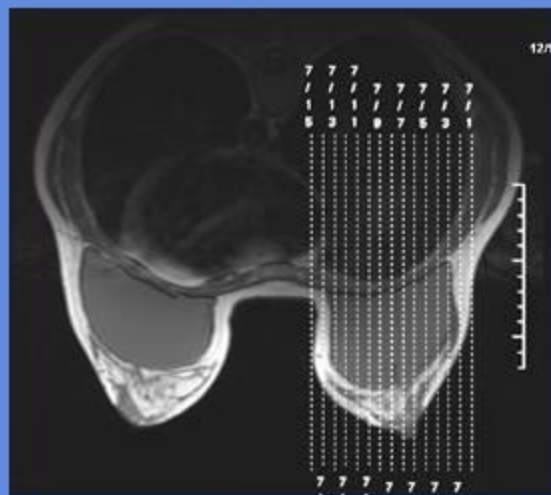
CLINICAL
INDICATIONS
:

Breast CA

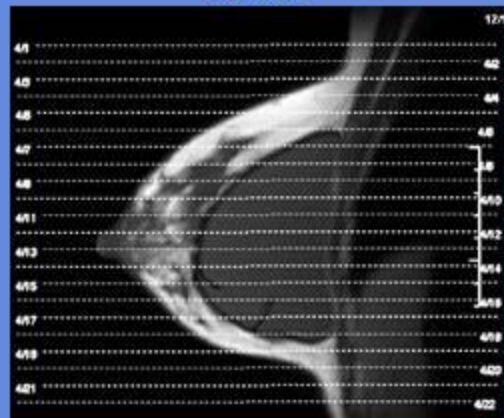
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7
description	SAG STIR	AX STIR	AX T2	AX T1	VIBRANT C+	AX T1 C+	
entry	feet first	feet first	feet first	feet first	feet first	feet first	
position	prone	prone	prone	prone	prone	prone	
coil	breast	breast	breast	breast	breast	breast	
plane	sagittal	axial	axial	axial	sagittal	axial	
pulse seq.	STIR	STIR	frFSE-XL	VIBRANT	VIBRANT	VIBRANT	
PSD Name							
im options	vb,fc,Trf	vb,fc,Trf,	vb,fc,Trf	vb,fc,Trf	NPW,asset,Zip2,Zip512	vb,fc,Trf	
flip angle					10		
Te	54	54	85				
TR	6500	6500	4200				
# echos	1	1	1				
TI	150	150					
ETL	23	23	21				
FOV	20	30-36	30-36	30-36	20	30-36	
RBW	41	50	50	41.67	50	41.67	
Phase FOV	1	1	1	1	1	1	
slice thick	5	5	6	2.4	2	2.4	
spacing	1	1	1.5	0	0	0	
SATS					FAT	FAT	
F Phase	384	384	320	512	256	512	
P Phase	192	192	160	512	256	512	
Swap PF	n	n					
Freq. Dir.	A/P	A/P	A/P	A/P	A/P	A/P	
NEX	2	2					
contrast	no	no	no	no	no	no	
dose	n/a	n/a	n/a	n/a	1mmol/kg	POST	
# of passes	n/a	n/a	n/a	n/a	1pre-4post	1	

BREAST (CANCER)

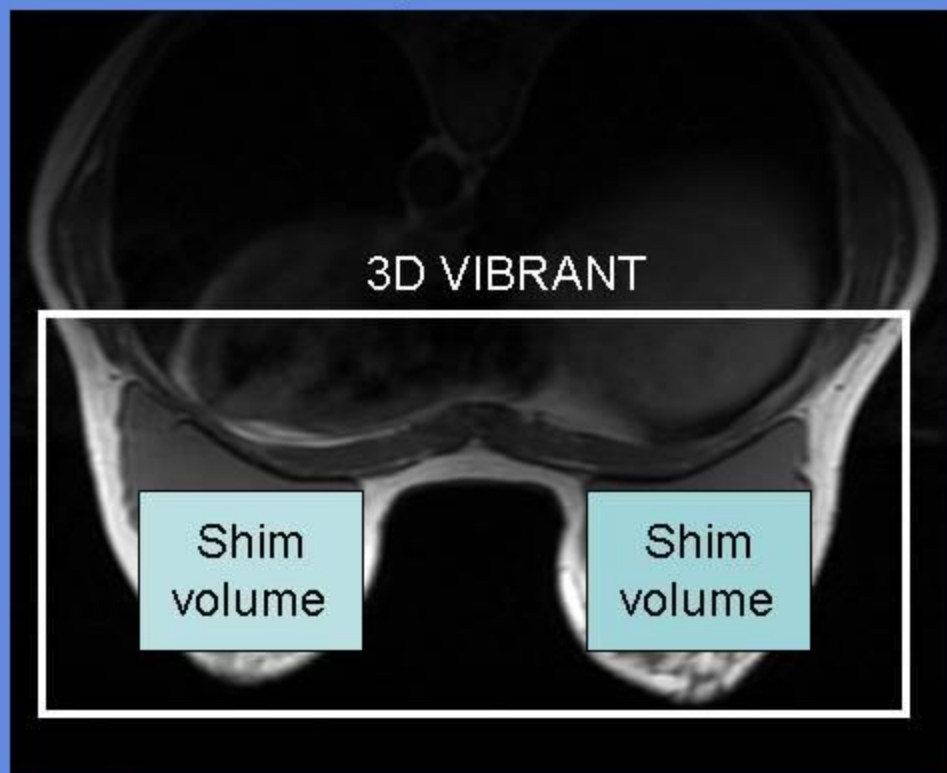
Sagittal



Axial

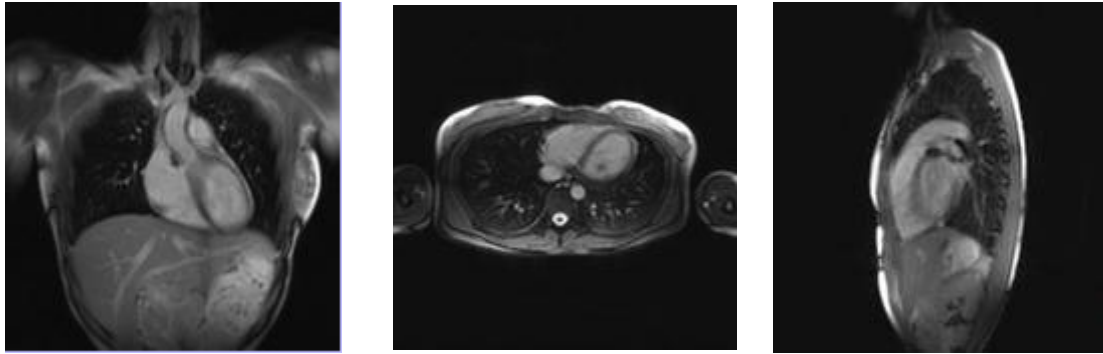


Sagittal VIBRANT

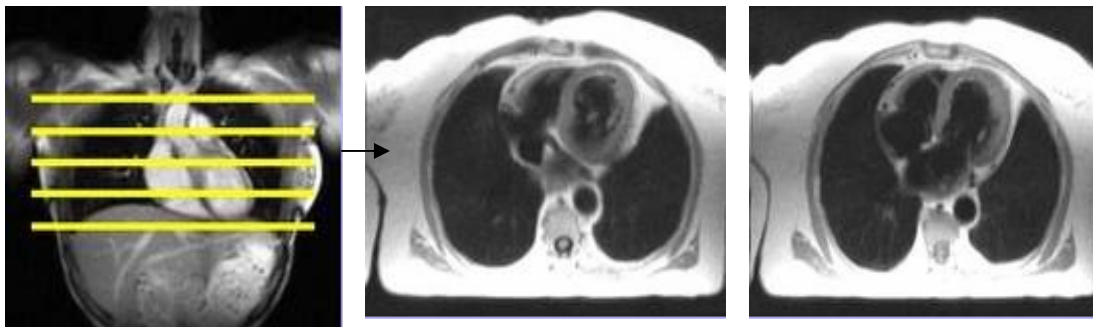


Cardiac axis

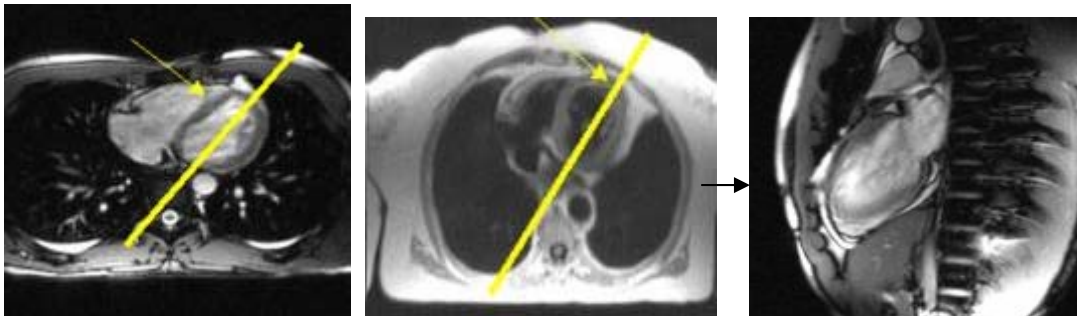
Multiview Localizer



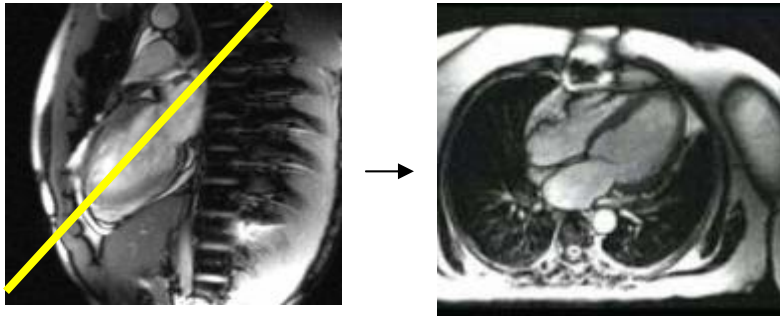
Axials Localizer



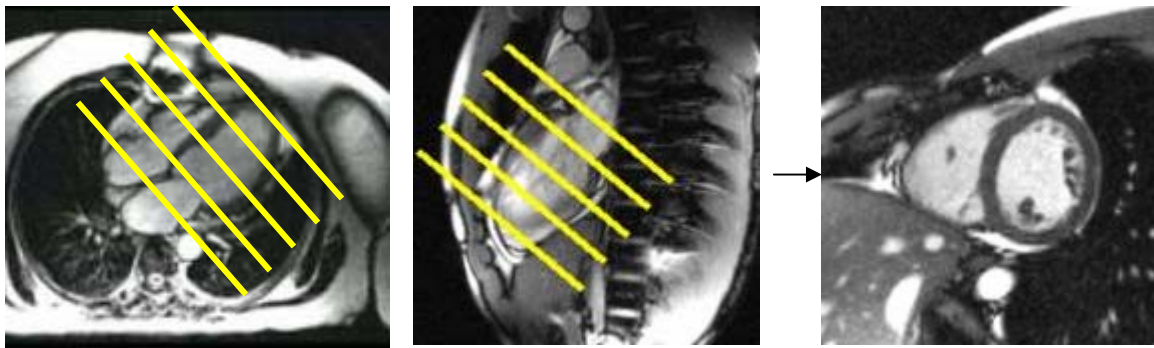
2 chambers Vertical Long Axis



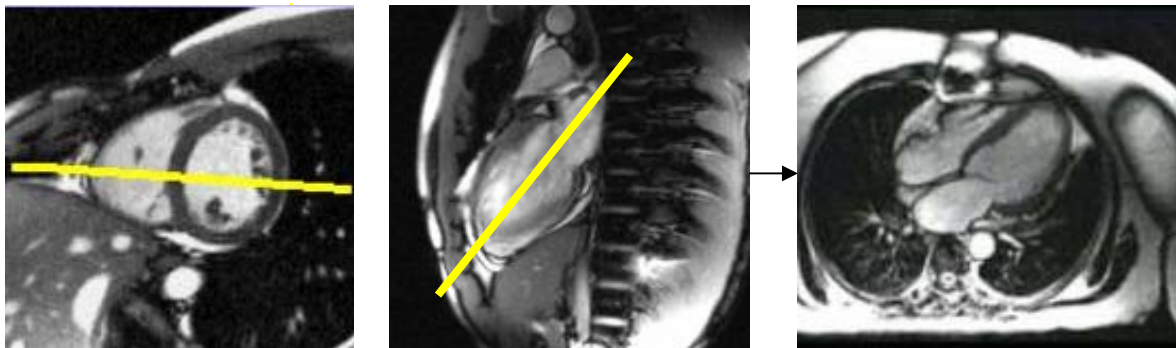
(Pseudo) 4 Chambers view



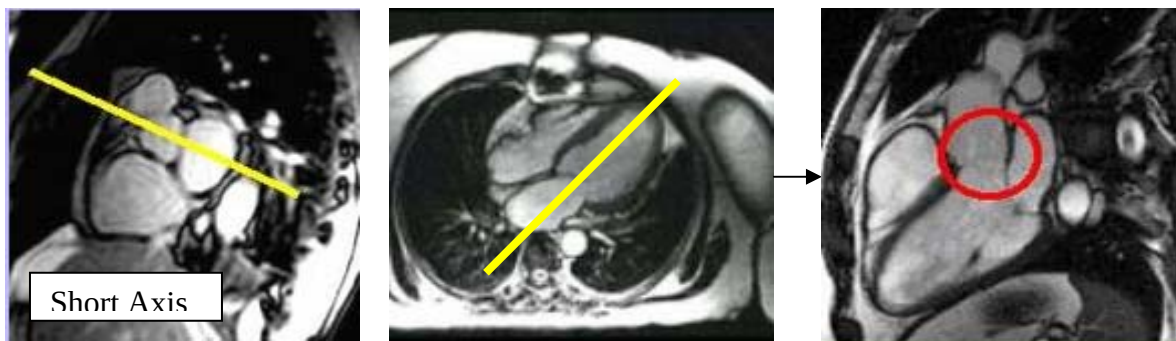
Short Axis



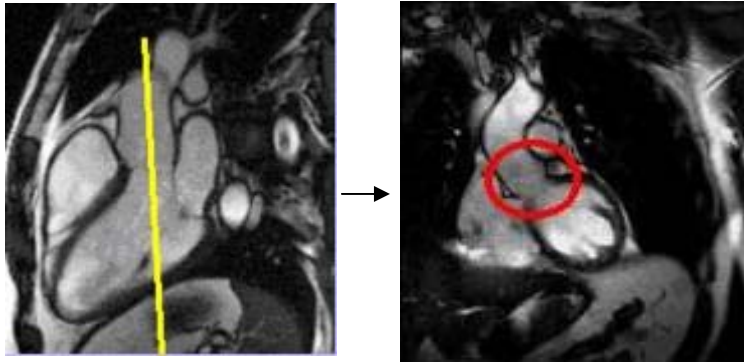
4 Chambers view



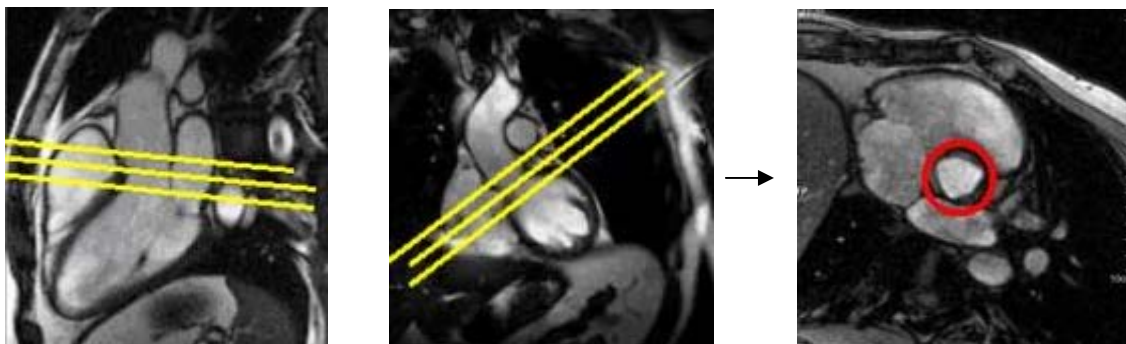
Left Ventricular Outflow Track (for Aortic views)



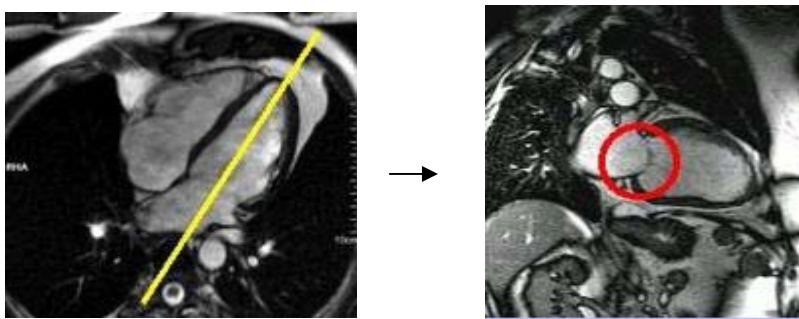
Left Ventricular Outflow track CORONAL (for Aortic views)



Aortic Valves AXIALS (Do both : Cine trufi & Cine Phase contrast)



Mitral Valve views



Right Ventricular Outflow Track (slice through pulmonary trunk)

