

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 5 SLICES	TO COVER 5 SLICES	TO COVER 5 SLICES	TO COVER 5 SLICES	TO COVER 5 SLICES	0	0	1	1
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 1mmol/kg	5 min delay 1mmol/kg	10 min delay 1mmol/kg
comments:	<p>Glucagon: 1mg IM administered 2 minutes prior to procedure</p> <p>Liver iron quantification by MRI (1.5 Tesla)</p> <p>Scan timing: Dynamic 30 SEC. 1 MIN.</p>												