\\USER\Grahn\MusicFamiliarity\June2017\localizer Voxel size: 1.3×1.2×5.0 mm Rel. SNR: 1.00

SIEMENS: gre

PAT: Off

TA: 0:26

TA. 0.20 P.	AT. OII VOXEI SIZE. 1.3	x1.2x5.0 IIIII Rei. SINK. 1.00	SIEWENS. gre
		Phase resolution	90 %
Properties		—— Phase partial Fourier	Off
Prio Recon	Off	Interpolation	On
Before measurement			OII
After measurement		PAT mode	None
Load to viewer	On	In a mar Ellina	
Inline movie	Off	Image Filter	Off
Auto store images	On	Distortion Corr.	Off
Load to stamp segments	On	Prescan Normalize	Off
Load images to graphic	On	Normalize	Off
segments		B1 filter	Off
Auto open inline display	Off	Raw filter	Off
Start measurement without	On	Elliptical filter	On
further preparation		Mode	Inplane
Wait for user to start	Off	Geometry	
Start measurements	single	Multi-slice mode	Sequential
ļ	5g.c	Series	Interleaved
Routine			·····
Slice group 1		Saturation mode	Standard
Slices	3	Special sat.	None
Dist. factor	400 %		
Position	Isocenter	Table position	Н
Orientation	Sagittal	Table position	0 mm
Phase enc. dir.	A >> P	Inline Composing	Off
Rotation	0.00 deg		
Slice group 2	-	Tim CT mode	Off
Slices	3	System	
Dist. factor	300 %	E1	On
Position	Isocenter	E2	On
Orientation	Transversal		
Phase enc. dir.	A >> P	Positioning mode	REF
Rotation	0.00 deg	MSMA	S - C - T
Slice group 3		Sagittal	R >> L
Slices	3	Coronal	A >> P
Dist. factor	500 %	Transversal	F >> H
Position	Isocenter	Save uncombined	Off
Orientation	Coronal	Coil Combine Mode	Adaptive Combine
Phase enc. dir.	R >> L	AutoAlign	
Rotation	0.00 deg	Auto Coil Select	Default
	0.00 deg 0 %		
Phase oversampling FoV read	300 mm	Shim mode	Tune up
	100.0 %	Adjust with body coil	Off
FoV phase Slice thickness	5.0 mm	Confirm freq. adjustment	Off
TR		Assume Silicone	Off
TE	12.0 ms	? Ref. amplitude 1H	0.000 V
	3.88 ms	Adjustment Tolerance	Auto
Averages	1	Adjust volume	
Concatenations	9	Position	Isocenter
Filter	Elliptical filter	Orientation	Transversal
Coil elements	E1,2	Rotation	0.00 deg
Contrast		R >> L	350 mm
TD	0 ms	A >> P	263 mm
MTC	Off	F >> H	350 mm
Magn. preparation	None	l	
Flip angle	15 deg	Physio	
Fat suppr.	None	1st Signal/Mode	None
Water suppr.	None	Segments	1
switer suppr.	Off	Dark blood	Off
	OII 	Dark DIOUU	OII
Averaging mode	Short term	Resp. control	Off
Reconstruction	Magnitude	1 .	
Measurements	1	Inline	0"
Multiple series	Each measurement	Subtract	Off
1		Liver registration	Off
Resolution	050	Std-Dev-Sag	Off
Base resolution	256	Std-Dev-Cor	Off

Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
Maplt	None
Contrasts	1

Sequence

•	
Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Bandwidth	200 Hz/Px
Flow comp.	No
DE modern toma	h
RF puise type	Normal
RF pulse type Gradient mode	Normal Whisper
Gradient mode	Whisper

\\USER\Grahn\MusicFamiliarity\June2017\HeadShim_3D_452G

		l D 69	0"
Properties		Raw filter	Off
Prio Recon	Off	Elliptical filter	Off
Before measurement		POCS	Off
After measurement		Geometry	
Load to viewer	On	Multi-slice mode	Sequential
Inline movie	Off	Series	Interleaved
Auto store images	On	Special sat.	None
Load to stamp segments	Off	Special Sat.	
Load images to graphic	Off	Table position	Н
segments		Table position	П 0 mm
Auto open inline display	Off	Inline Composing	Off
Start measurement without	On	miline Composing	Oli
further preparation	0.00	System	
Wait for user to start	Off	E1	On
Start measurements	single	E2	On
outine		Positioning mode	REF
Slab group 1		MSMA	S-C-T
Slabs	1	Sagittal	R >> L
Dist. factor	20 %	Coronal	A >> P
Position	L0.0 A5.8 F21.8	Transversal	F >> H
Orientation	Transversal	Save uncombined	Off
Phase enc. dir.	A >> P	Coil Combine Mode	Adaptive Combine
Rotation	0.00 deg	AutoAlign	
Auto	Off	Auto Coil Select	Default
Phase oversampling	0 %	······	
Slice oversampling	25.0 %	Shim mode	Standard
Slices per slab	32	Adjust with body coil	Off
FoV read	256 mm	Confirm freq. adjustment	Off
FoV phase	100.0 %	Assume Silicone	Off
Slice thickness	6.00 mm	? Ref. amplitude 1H	0.000 V
TR	12.00 ms	Adjustment Tolerance	Auto
TE 1	2.77 ms	Adjust volume	
TE 2	6.02 ms	Position	L0.0 A5.8 F21.8
Averages	1	Orientation	Transversal
Concatenations	1	Rotation	0.00 deg
Filter	None	R >> L	256 mm
Coil elements	E1,2	A >> P	256 mm
ontrast		F >> H	192 mm
Magn. preparation	None	——— Physio	
Flip angle	9 deg	1st Signal/Mode	None
Fat suppr.	None	Segments	1
Restore magn.	Off		
		Dark blood	Off
Averaging mode	Short term	Cine	Off
Reconstruction	Magnitude	Resp. control	Off
Measurements	1	· ·	
Multiple series	Off	Inline	0#
esolution		Subtract	Off
Base resolution	64	Std-Dev-Sag	Off
Phase resolution	100 %	Std-Dev-Cor	Off
Slice resolution	100 %	Std-Dev-Tra	Off
Phase partial Fourier	Off	Std-Dev-Time	Off
Slice partial Fourier	Off	MIP-Sag	Off
Trajectory	Cartesian	MIP-Cor	Off
Interpolation	Off	MIP-Tra	Off
		MIP-Time	Off
PAT mode	None	Save original images	On
Image Filter	Off	0	
Distortion Corr.	Off	Sequence	0,1
Prescan Normalize	Off	Introduction	Off
Normalize	Off	Dimension	3D
B1 filter	Off	Elliptical scanning	Off
D (11115)	OII	Reordering	Linear

Asymmetric echo	Off
Contrasts	2
Bandwidth 1	397 Hz/Px
Bandwidth 2	397 Hz/Px
Flow comp. 1	No
Flow comp. 2	No
Readout mode	Monopolar
Optimization	None
Allowed delay	0 s
Echo spacing	9.4 ms
Sequence type	Gre

Define Shots
Shots per slice 64
RF pulse type Normal
Gradient mode Fast
Excitation Slab-sel.
Flip angle mode Constant
RF spoiling On
Phase Enc. Rewinder On

\\USER\Grahn\MusicFamiliarity\June2017\rel B1

Rel. SNR: 1.00

USER: gre_cfmm

Voxel size: 8.0×8.0×8.0 mm

TA: 0:49

PAT: Off

roperties		Elliptical filter	Off
Prio Recon	Off	Geometry	
Before measurement	0.11	Multi-slice mode	Interleaved
After measurement		Series	Interleaved
Load to viewer	On		
Inline movie	Off	Saturation mode	Standard
	On	Special sat.	None
Auto store images			
Load to stamp segments	Off	Table position	Н
Load images to graphic	Off	Table position	0 mm
segments		Inline Composing	Off
Auto open inline display	Off	milite Composing	Oli
Start measurement without	On	System	
further preparation		E1	On
Wait for user to start	Off	E2	On
Start measurements	single		
	9	Positioning mode	REF
outine		MSMA	S - C - T
Slab group 1		Sagittal	R >> L
Slabs	1	Coronal	A >> P
Dist. factor	20 %	Transversal	F >> H
Position	R5.1 P2.2 F2.2	Save uncombined	Off
Orientation	Transversal	Coil Combine Mode	Sum of Squares
Phase enc. dir.	A >> P	AutoAlign	
Rotation	0.00 deg		
Phase oversampling	0 %	Auto Coil Select	Default
Slice oversampling	0.0 %	Shim mode	Standard
		Adjust with body coil	Off
Slices per slab	32	Confirm freq. adjustment	Off
FoV read	256 mm	Assume Silicone	Off
FoV phase	100.0 %		_
Slice thickness	8.00 mm	! Ref. amplitude 1H	100.000 V
TR	6.0 ms	Adjustment Tolerance	Auto
TE	2.75 ms	Adjust volume	
Averages	1	Position	R5.1 P2.2 F2.2
Concatenations	1	Orientation	Transversal
Filter	None	Rotation	0.00 deg
Coil elements	E1,2	R >> L	256 mm
Con ciomonio	21,2	A >> P	256 mm
Contrast		F >> H	256 mm
MTC	Off		
Magn. preparation	None	Physio	
Flip angle	5 deg	1st Signal/Mode	None
Fat suppr.	None	Segments	1
Water suppr.	None		
SWI	Off	Dark blood	Off
		Resp. control	Off
Averaging mode	Short term	rtesp. control	Oli
Reconstruction	Magn./Phase	Inline	
Measurements	1	Subtract	Off
Multiple series	Each measurement	Liver registration	Off
Multiple Selles	Lacifileasurement	Std-Dev-Sag	Off
esolution		Std-Dev-Cor	Off
Base resolution	32		_
Phase resolution	100 %	Std-Dev-Tra	Off
Slice resolution	100 %	Std-Dev-Time	Off
Phase partial Fourier	Off	MIP-Sag	Off
		MIP-Cor	Off
Slice partial Fourier	Off Off	MIP-Tra	Off
Interpolation	Off	MIP-Time	Off
PAT mode	None	Save original images	On
Image Filter	Off	Wash - In	Off
	Off	Wash - Out	Off
Distortion Corr.		TTP	Off
Prescan Normalize	Off	PEI	Off
Normalize B1 filter	Off Off	MIP - time	Off
			. 111

	MapIt Contrasts	None 1
,	Sequence	'
	Introduction Dimension Elliptical scanning Phase stabilisation Asymmetric echo Bandwidth Flow comp.	Off 3D Off Off Off 1000 Hz/Px No
	RF pulse type Gradient mode Excitation RF spoiling	Low SAR Fast Slab-sel. On
	pTX Excitation RF pulse duration RF pulse BTP FFT scale factor RF Exc. config. AFI Factor Use SLR pulse B1 Shim Maps Whiten Noise Interleave	CFMM B1 mapping 4000 us 2.0 1.00 ArrayB1Prep 0 On Calibrated Off

\\USER\Grahn\MusicFamiliarity\June2017\absB1

Rel. SNR: 1.00

USER: gre_cfmm

Voxel size: 8.0×8.0×8.0 mm

TA: 2:03

PAT: Off

Properties		Elliptical filter	Off
Prio Recon	Off	Geometry	
Before measurement		Multi-slice mode	Interleaved
After measurement		Series	Interleaved
Load to viewer	On		
Inline movie	Off	Saturation mode	Standard
	On	Special sat.	None
Auto store images			
Load to stamp segments	Off	Table position	 Н
Load images to graphic	Off	Table position	0 mm
segments		Inline Composing	Off
Auto open inline display	Off	Inline Composing	Oli
Start measurement without	On	System	
further preparation		E1	On
Wait for user to start	Off	E2	On
Start measurements	single	LZ	
	5g.0	Positioning mode	FIX
outine		MSMA	S - C - T
Slab group 1		Sagittal	R >> L
Slabs	1	Coronal	A >> P
Dist. factor	20 %	Transversal	F >> H
Position	R5.1 P2.2 F2.2		
		Save uncombined	Off
Orientation	Transversal	Coil Combine Mode	Sum of Squares
Phase enc. dir.	A >> P	AutoAlign	
Rotation	0.00 deg	Auto Coil Select	Default
Phase oversampling	0 %		
Slice oversampling	0.0 %	Shim mode	Tune up
Slices per slab	32	Adjust with body coil	Off
FoV read	256 mm	Confirm freq. adjustment	Off
FoV phase	100.0 %	Assume Silicone	Off
Slice thickness	8.00 mm	! Ref. amplitude 1H	100.000 V
TR	20.0 ms	Adjustment Tolerance	Auto
		Adjust volume	7.000
TE	2.75 ms	Position	Isocenter
Averages	1	Orientation	Transversal
Concatenations	1		
Filter	None	Rotation	0.00 deg
Coil elements	E1,2	R >> L	350 mm
		A >> P	263 mm
ontrast		F >> H	350 mm
MTC	Off	Dhysio	
Magn. preparation	None	Physio	
Flip angle	70 deg	1st Signal/Mode	None
Fat suppr.	None	Segments	1
Water suppr.	None	Dark blood	Off
SWI	Off	Dark blood	Off
		Resp. control	Off
Averaging mode	Short term	1	.
Reconstruction	Magn./Phase	Inline	
Measurements	1	Subtract	Off
Multiple series	Each measurement	Liver registration	Off
Walipio delleo	Each moded of for	Std-Dev-Sag	Off
esolution		Std-Dev-Cor	Off
Base resolution	32	Std-Dev-Tra	Off
Phase resolution	100 %		
Slice resolution	100 %	Std-Dev-Time	Off
Phase partial Fourier	Off	MIP-Sag	Off
		MIP-Cor	Off
Slice partial Fourier	Off	MIP-Tra	Off
Interpolation	Off	MIP-Time	Off
PAT mode	None	Save original images	On
Imaga Filtor	Off	Wash - In	Off
Image Filter	Off	Wash - Out	Off
Distortion Corr.	Off	TTP	Off
Prescan Normalize	Off		
Normalize	Off	PEI	Off
B1 filter	Off	MIP - time	Off
Raw filter	Off		

	MapIt	None
	Contrasts	1
S	equence	
	Introduction	Off
	Dimension	3D
	Elliptical scanning	Off
	Phase stabilisation	Off
	Asymmetric echo	Off
	Bandwidth	1000 Hz/Px
	Flow comp.	No
	RF pulse type	Low SAR
	Gradient mode	Fast
	Excitation	Slab-sel.
	RF spoiling	On
	pTX Excitation	CFMM B1 mapping
	RF pulse duration	4000 us
	RF pulse BTP	2.0
	FFT scale factor	1.00
	RF Exc. config.	none
	AFI Factor	5
	Use SLR pulse	On
	B1 Shim Maps	Calibrated
1	Whiten Noise	Off

 $\verb|\USER\Grahn\MusicFamiliarity\June2017\mbep2d_bold_mb2_p3_Bold|$

Rel. SNR: 1.00

USER: cmrr_mbep2d_bold

Voxel size: 2.5×2.5×2.5 mm

TA: 12:00

PAT: 3

Properties		Series	Interleaved
Prio Recon	Off	Special sat.	None
Before measurement	U 11		
After measurement		Table position	Н
Load to viewer	On	Table position	0 mm
Inline movie	Off	Inline Composing	Off
Auto store images	On	System	
Load to stamp segments	Off	E1	On
Load images to graphic	Off	E2	On
segments		Desitioning and	FIV
Auto open inline display	Off	Positioning mode MSMA	FIX S - C - T
Start measurement without	On	Sagittal	8 - C - 1 R >> L
further preparation		Coronal	A >> P
Wait for user to start	On	Transversal	F >> H
Start measurements	single	Coil Combine Mode	Sum of Squares
Routine		AutoAlign	
Slice group 1	_	Auto Coil Select	Default
Slices	54		
Dist. factor	10 %	Shim mode	Standard
Position	L1.5 P8.7 F31.3	Adjust with body coil	Off
Orientation	Transversal	Confirm freq. adjustment Assume Silicone	Off Off
Phase enc. dir.	A >> P		
Rotation	0.00 deg	! Ref. amplitude 1H Adjustment Tolerance	110.000 V Auto
Phase oversampling	0 %	Adjust volume	Auto
FoV read	220 mm	Position	L1.5 P8.7 F31.3
FoV phase	100.0 %	Orientation	Transversal
Slice thickness	2.50 mm	Rotation	0.00 deg
TR	1250 ms	R >> L	220 mm
TE Multi band appl factor	20.0 ms	A >> P	220 mm
Multi-band accel. factor Filter	2 Raw filter	F >> H	149 mm
Coil elements	E1,2	I .	-
Con elements	L1,2	Physio 1/Mada	Name
Contrast		1st Signal/Mode	None
MTC	Off	BOLD	
Magn. preparation	None	GLM Statistics	Off
Flip angle	35 deg	Dynamic t-maps	Off
Fat suppr.	Fat sat.	Starting ignore meas	0
Averaging mode	Long term	Ignore after transition	0
Reconstruction	Magnitude	Model transition states	On
Measurements	565	Temp. highpass filter	On
Delay in TR	0 ms	Threshold Paradigm size	4.00 3
Multiple series	Off	S .	3 Baseline
Resolution		Meas[1] Meas[2]	Baseline
Base resolution	88	Meas[3]	Active
Phase resolution	100 %	Motion correction	Off
Phase partial Fourier	6/8	Spatial filter	Off
Interpolation	Off		
PAT mode	GRAPPA	Sequence	Off
Accel. factor PE	3	Introduction Contrasts	Off 1
Ref. lines PE	36	Bandwidth	ı 1624 Hz/Px
Reference scan mode	Segmented	Flow comp.	No
		Free echo spacing	Off
Distortion Corr.	Off	Echo spacing	0.7 ms
Prescan Normalize	Off		
Raw filter	On	EPI factor	88
Intensity	Weak	Gradient mode	Fast
Slope	25	RF spoiling	Off
Elliptical filter	Off	Excite pulse duration	6000 us
Hamming	Off	Single-band images	Off
Geometry		MB LeakBlock kernel	Off
Multi-slice mode	Interleaved	MB dual kernel	Off
		9/+	

MB RF phase scramble	Off
SENSE1 coil combine	Off
Invert RO/PE polarity	Off
PF omits higher k-space	Off
Online multi-band recon.	Online
FFT scale factor	0.60
Physio recording	Legacy
Triggering scheme	Standard

\\USER\Grahn\MusicFamiliarity\June2017\mp2rage_sag_750iso_p3_944

TA: 9:36 PAT: 3	•	8 mm Rel. SNR: 1.00 USER	t: tfl_wip944_b17uhf
Dranastiaa		Distortion Corr.	Off
Properties	0"	Prescan Normalize	Off
Prio Recon	Off	Normalize	Off
Before measurement		B1 filter	Off
After measurement		Raw filter	On
Load to viewer	On	Intensity	Weak
Inline movie	Off	Slope	25
Auto store images	On	Elliptical filter	Off
Load to stamp segments	Off	Linplical Intel	Oli
Load images to graphic	Off	Geometry	
segments		Multi-slice mode	Single shot
Auto open inline display	Off	Series	Interleaved
Start measurement without	On		
further preparation		Table position	Н
Wait for user to start	Off	Table position	0 mm
Start measurements	single	Inline Composing	Off
	5.1.9.5		Oli
Routine Slab group 1		System	0.5
Slab group 1 Slabs	1	E1	On
	1	E2	On
Dist. factor	50 %	Positioning mode	REF
Position	L0.0 P0.7 F29.1	MSMA	S - C - T
Orientation	S > C-0.7	Sagittal	R >> L
Phase enc. dir.	A >> P		A >> P
Rotation	0.00 deg	Coronal	
Phase oversampling	0 %	Transversal	F >> H
Slice oversampling	7.7 %	Save uncombined	Off
Slices per slab	208	Coil Combine Mode	Adaptive Combine
FoV read	240 mm	AutoAlign	
FoV phase	100.0 %	Auto Coil Select	Default
Slice thickness	0.75 mm	China mada	T
TR	6000 ms	Shim mode	Tune up
TE	2.69 ms	Adjust with body coil	Off
		Confirm freq. adjustment	Off
Averages	1	Assume Silicone	Off
Concatenations	1	? Ref. amplitude 1H	0.000 V
Filter	Raw filter	Adjustment Tolerance	Auto
Coil elements	E1,2	Adjust volume	
Contrast		Position	Isocenter
Magn. preparation	Non-sel. IR	—— Orientation	Transversal
TI 1	800 ms	Rotation	0.00 deg
TI 2	2700 ms	R >> L	350 mm
Flip angle 1		A >> P	263 mm
	4 deg	F >> H	350 mm
Flip angle 2	5 deg	ļ	
Fat suppr.	None	Physio	
Water suppr.	None	1st Signal/Mode	None
2nd Inversion Contrast	On	Dark blood	Off
Averaging mode	Long term		O#
Reconstruction	Magnitude	Resp. control	Off
Measurements	1	Composing	
Multiple series	Each measurement		
esolution		Sequence	0"
Base resolution	320	Introduction	Off
Phase resolution	100 %	Dimension	3D
		Elliptical scanning	Off
Slice resolution	100 %	Asymmetric echo	Allowed
Phase partial Fourier	6/8	Contrasts	1
Slice partial Fourier	6/8	Bandwidth	150 Hz/Px
PAT mode	GRAPPA	Flow comp.	No
Accel. factor PE	3	Echo spacing	7.8 ms
Ref. lines PE			
	24	RF pulse type	Fast
Accel. factor 3D	1	Gradient mode	Fast
Reference scan mode	Integrated	Excitation	Non-sel.
Image Filter	Off	RF spoiling	On
ago i moi	J II		

FFT Scale Factor	70 %
LIN/PAR Swap	Off
Ext. INV Pulse	On
Flip Angle	500
Uniform Image	On
Head Mask on UNI	Off
T1 Map	On
Complex Div. Image	Off
Denoise Weighting	30
FLAWS	Off

\\USER\Grahn\MusicFamiliarity\June2017\mbep2d bold mb2 p3 ISS

TA: 5:33 PAT: 3 Voxel size: 2.5×2.5×2.5 mm Rel. SNR: 1.00 USER: cmrr_mbep2d_bold

Properties		Series	Interleaved
Prio Recon	Off	Special sat.	None
Before measurement			
After measurement		Table position Table position	H 0 mm
Load to viewer	On	Inline Composing	Off
Inline movie	Off	Inline Composing	Oil
Auto store images	On	System	
Load to stamp segments	Off	E1	On
Load images to graphic	Off	E2	On
segments		Desitioning made	FIX
Auto open inline display	Off	Positioning mode MSMA	S - C - T
Start measurement without	On	_	
further preparation		Sagittal Coronal	R >> L A >> P
Wait for user to start	On	Transversal	F >> H
Start measurements	single	Coil Combine Mode	
Routine		AutoAlign	Sum of Squares
Slice group 1		Auto Coil Select	Default
Slices	54	Auto Coil Select	
Dist. factor	10 %	Shim mode	Standard
Position	L1.5 P8.7 F31.3	Adjust with body coil	Off
Orientation	Transversal	Confirm freq. adjustment	Off
Phase enc. dir.	A >> P	Assume Silicone	Off
Rotation	0.00 deg	! Ref. amplitude 1H	110.000 V
Phase oversampling	0.00 deg 0 %	Adjustment Tolerance	Auto
FoV read	220 mm	Adjust volume	
FoV phase	100.0 %	Position	L1.5 P8.7 F31.3
Slice thickness	2.50 mm	Orientation	Transversal
TR	1250 ms	Rotation	0.00 deg
TE	20.0 ms	R >> L	220 mm
Multi-band accel. factor	2	A >> P	220 mm
Filter	Raw filter	F >> H	149 mm
Coil elements	E1,2	Physio	
	,_	1st Signal/Mode	None
Contrast			None
MTC	Off	BOLD	
Magn. preparation	None	GLM Statistics	Off
Flip angle	35 deg	Dynamic t-maps	Off
Fat suppr.	Fat sat.	Starting ignore meas	0
Averaging mode	Long term	Ignore after transition	0
Reconstruction	Magnitude	Model transition states	On
Measurements	255	Temp. highpass filter	On
Delay in TR	0 ms	Threshold	4.00
Multiple series	Off	Paradigm size	3
		Meas[1]	Baseline
Resolution	00	Meas[2]	Baseline
Base resolution	88	Meas[3]	Active
Phase resolution	100 %	Motion correction	Off
Phase partial Fourier	6/8	Spatial filter	Off
Interpolation	Off	Sequence	
PAT mode	GRAPPA	Introduction	Off
Accel. factor PE	3	Contrasts	1
Ref. lines PE	36	Bandwidth	1624 Hz/Px
Reference scan mode	Segmented	Flow comp.	No
		Free echo spacing	Off
Distortion Corr.	Off	Echo spacing	0.7 ms
Prescan Normalize	Off		
Raw filter	On	EPI factor	88
Intensity	Weak	Gradient mode	Fast
Slope	25	RF spoiling	Off
Elliptical filter	Off	Excite pulse duration	6000 us
Hamming	Off	Single-band images	Off
Geometry		MB LeakBlock kernel	Off
	Interleaved		Off
Multi-slice mode	IIILEIIEAVEU	MB dual kernel	OTT

MB RF phase scramble	Off
SENSE1 coil combine	Off
Invert RO/PE polarity	Off
PF omits higher k-space	Off
Online multi-band recon.	Online
FFT scale factor	0.60
Physio recording	Legacy
Triggering scheme	Standard

\\USER\Grahn\MusicFamiliarity\June2017\gre_field_mapping

perties		Table position Inline Composing	0 mm Off
Prio Recon	Off		
Before measurement		System	0.5
After measurement	0.5	E1	On
Load to viewer	On O"	E2	On
Inline movie	Off	Positioning mode	FIX
Auto store images	On O"	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Adaptive Combine
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single		
outine		Shim mode	Standard
Slice group 1		Adjust with body coil	Off
Slices	64	Confirm freq. adjustment	Off
Dist. factor	0 %	Assume Silicone	Off
Position	R1.3 P9.6 F19.6	? Ref. amplitude 1H	0.000 V
Orientation	Transversal	Adjustment Tolerance	Auto
	A >> P	Adjust volume	
Phase enc. dir.		Position	R1.3 P9.6 F19.6
Rotation	0.00 deg	Orientation	Transversal
Phase oversampling	0 %	Rotation	0.00 deg
FoV read	210 mm	R >> L	210 mm
FoV phase	100.0 %	A >> P	210 mm
Slice thickness	2.5 mm	F >> H	160 mm
TR	475.0 ms	ļ	
TE 1	4.08 ms	Composing	
TE 2	5.1 ms	Sequence	
Averages	1	Introduction	On
Concatenations	1	Dimension	2D
Filter	None	Asymmetric echo	Off
Coil elements	E1,2	Contrasts	2
ontrast		Bandwidth	607 Hz/Px
MTC	Off		Yes
Flip angle	35 deg	Flow comp.	
Fat suppr.	None	RF pulse type	Normal
		Gradient mode	Normal
Averaging mode	Short term	RF spoiling	On
Reconstruction	Magn./Phase	,	
Measurements	1		
Multiple series	Off		
esolution	400		
Base resolution	168		
Phase resolution	50 %		
Phase partial Fourier	6/8		
Interpolation	Off		
Image Filter	Off		
Distortion Corr.	Off		
Prescan Normalize	Off		
Normalize	Off		
B1 filter	Off Off		
Raw filter	Off		
Elliptical filter	Off		
eometry			
Multi-slice mode	Interleaved		
Series	Interleaved		
Special sat.	None		
Opcolar sat.			

Table position