\\USER\Feinberglab\Test\Testing\localizer_100V_newcoil

Voxel size: 1.2×1.1×3.0 mm Rel. SNR: 1.00

PAT: Off

TA: 0:27

SIEMENS: gre

-			
Properties		Phase resolution Phase partial Fourier	90 % 6/8
Prio Recon	Off	Interpolation	On
Before measurement After measurement		PAT mode	None
Load to viewer	On	Image Filter	
Inline movie	Off	Image Filter	Off
Auto store images	On	Distortion Corr.	Off
Load to stamp segments	Off	Prescan Normalize	Off
Load images to graphic	Off	Normalize	Off
segments	Oil	B1 filter	Off
•	O#	Raw filter	Off
Auto open inline display Start measurement without	Off On	Elliptical filter	Off
further preparation	Oli	Geometry	
Wait for user to start	Off	Multi-slice mode	Sequential
Start measurements	single	Series	Interleaved
I	5g.c		
Routine Slice group 1		Saturation mode	Standard
Slice group 1 Slices	5	Special sat.	None
Dist. factor	5 20 %		
		Table position	H
Position	Isocenter	Table position	0 mm
Orientation	Sagittal	Inline Composing	Off
Phase enc. dir. Rotation	A >> P	Tim CT mode	Off
Slice group 2	0.00 deg	ı	
Slices	5	System	
Dist. factor	20 %	T1	On
Position	Isocenter	T2	On
Orientation		T3	On
	Coronal	T4	On
Phase enc. dir.	R >> L	T5	On
Rotation	0.00 deg	T6	On
Slice group 3	_	T7	On
Slices	5	Т8	On
Dist. factor	20 %	L1	On
Position	Isocenter	L2	On
Orientation	Transversal	L3	On
Phase enc. dir.	A >> P	L4	On
Rotation	0.00 deg	L5	On
Phase oversampling	0 %	L6	On
FoV read	280 mm		
FoV phase	100.0 %	L7	On
Slice thickness	3.0 mm	L8	On
TR	10.0 ms	R1	On
TE	3.00 ms	R2	On
Averages	1	R3	On
Concatenations	1 15	R4	On
Filter		R5	On
Coil elements	None L1_8:P1_8:T1_8	R6	On
I and the second	L1-8;R1-8;T1-8	R7	On
Contrast		R8	On
TD	0 ms	Positioning mode	FIX
MTC	Off	MSMA	S - C - T
Magn. preparation	None	Sagittal	R >> L
Flip angle	10 deg	Coronal	A >> P
Fat suppr.	None	Transversal	F >> H
Water suppr.	None	Save uncombined	On
SWI	Off	Coil Combine Mode	Sum of Squares
Averaging mode	Short term	AutoAlign	
		Auto Coil Select	Off
Reconstruction	Magnitude		
Measurements	I Factors	Shim mode	Tune up
Multiple series	Each measurement	Adjust with body coil	Off
Resolution		Confirm freq. adjustment	Off
Base resolution	256	Assume Silicone	Off
1		! Ref. amplitude 1H	50.000 V

Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm
Physio	
1st Signal/Mode	None
Segments	1
Togging	None
Tagging	None
Dark blood	Off
Resp. control	Off
•	
Inline	0"
Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
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
MapIt	None
Contrasts	1
Sequence	
Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Bandwidth	320 Hz/Px
Flow comp.	No
RF pulse type	Normal
Gradient mode	Whisper
Excitation	Slice-sel.
RF spoiling	On

\\USER\Feinberglab\Test\Testing\BP_grase_clean_VASO

TA: 6.0 s PAT: 4 Voxel size: 2.7×2.0×3.0 mm Rel. SNR: 1.00 USER: BP_grase_clean_VASO Series Interleaved Properties Prio Recon Off Special sat. None Before measurement Table position Н After measurement Table position 0 mm On Load to viewer Inline Composing Off Inline movie Off Auto store images On System Load to stamp segments Off On T1 Load images to graphic Off M2 On segments B4 On Off Auto open inline display М3 On Start measurement without On V32 Off further preparation Positioning mode REF Off Wait for user to start **MSMA** S - C - T Start measurements single Sagittal R >> L Routine Coronal A >> P Slab group 1 Transversal F >> H Slabs 1 Save uncombined Off Dist. factor 0 % Coil Combine Mode Sum of Squares Position Isocenter AutoAlign Orientation Transversal Auto Coil Select Default Phase enc. dir. R >> L Shim mode Standard Rotation 90.00 deg Adjust with body coil Off Phase oversampling 0 % Confirm freq. adjustment Off 0.0 % Slice oversampling Assume Silicone Off Slices per slab 20 ? Ref. amplitude 1H 0.000 V FoV read 256 mm Adjustment Tolerance Auto FoV phase 75.0 % Adjust volume Slice thickness 3.0 mm Position Isocenter TR 3000 ms Orientation Transversal TE 26.36 ms Rotation 90.00 deg Averages A >> P 256 mm Concatenations 192 mm R >> L Filter None F >> H 60 mm Coil elements B4;M2,3;T1 Physio Contrast 1st Signal/Mode None Magn. preparation Non-sel. IR 1000 ms Composing Flip angle 100 deg Sequence Fat suppr. Fat sat. Introduction Off Fat sat. mode Strong Dimension 3D Averaging mode Long term Reordering Centric Reconstruction Magnitude Contrasts Measurements Bandwidth 3256 Hz/Px Off Multiple series Echo spacing 0.6 ms Resolution Turbo factor Base resolution 128 EPI factor 72 Phase resolution 75 % RF pulse type Normal Slice resolution 100 % Gradient mode Fast Slice partial Fourier 6/8 refocussing type sinc 2560 Interpolation On flip angle excit 90 PAT mode **GRAPPA** phase encoding ON Accel. factor PE 2 Maxwell compensation Off Ref. lines PE 24 ICE program Mosaic Accel. factor 3D 2 prepscans Ref. lines 3D 20 Reference scan mode Separate Prescan Normalize Off Off Raw filter

Geometry

\\USER\Feinberglab\Test\Testing\BP_grase_clean_VASO

USER: BP_grase_clean_VASO

Voxel size: 2.0×2.0×3.0 mm Rel. SNR: 1.00

TA: 0:15

PAT: 12

171. 0.10	V 0 X 0 1 3 1 2 0 . 2 . 0 X 0 . 0 1 1 1 1 1	TOIL OTTICL 1.00 COLIN. I	
Properties		Series	Interleaved
Prio Recon	Off	Special sat.	None
Before measurement		Table position	Н
After measurement	_	Table position	0 mm
Load to viewer	On	Inline Composing	Off
Inline movie	Off		Oli
Auto store images	On	System	
Load to stamp segments	Off	T1	On
Load images to graphic	Off	M2	On
segments		B4	On
Auto open inline display	Off	M3	On
Start measurement without	On	V32	Off
further preparation		Danisia di ancia da	DEE
Wait for user to start	Off	Positioning mode	REF
Start measurements	single	MSMA	S-C-T
Routine		Sagittal	R >> L
		Coronal	A >> P
Slab group 1 Slabs	4	Transversal	F >> H
	1	Save uncombined	Off
Dist. factor	0 %	Coil Combine Mode	Sum of Squares
Position	R1.3 P0.0 H31.7	AutoAlign	
Orientation	Transversal	Auto Coil Select	Default
Phase enc. dir.	R >> L	Shim mode	Standard
Rotation	90.00 deg	Adjust with body coil	Off
Phase oversampling	0 %	Confirm freq. adjustment	Off
Slice oversampling	12.5 %	Assume Silicone	Off
Slices per slab	32	? Ref. amplitude 1H	0.000 V
FoV read	256 mm	Adjustment Tolerance	Auto
FoV phase	75.0 %	Adjust volume	Auto
Slice thickness	3.0 mm	Position	R1.3 P0.0 H31.7
TR	3000 ms	Orientation	Transversal
TE	18.42 ms	Rotation	90.00 deg
Averages	1	A >> P	256 mm
Concatenations	1		
Filter	None	R >> L	192 mm
Coil elements	B4;M2,3;T1	F >> H	96 mm
Contrast		Physio	
Magn. preparation	Non-sel. IR	1st Signal/Mode	None
TI	1000 ms	Composing	
Flip angle	100 deg	Composing	
Fat suppr.	Fat sat.	Sequence	
Fat sat. mode	Strong	Introduction	Off
		Dimension	3D
Averaging mode	Long term	Reordering	Centric
Reconstruction	Magnitude	Contrasts	1
Measurements	1	Bandwidth	2170 Hz/Px
Multiple series	Off	Echo spacing	0.6 ms
Resolution			
Base resolution	128	Turbo factor	12
Phase resolution	100 %	EPI factor	96
		RF pulse type	Normal
Slice resolution	100 %	Gradient mode	Fast
Slice partial Fourier	Off	refocussing type	sinc 2560
Interpolation	On	flip angle excit	90
PAT mode	GRAPPA	phase encoding	ON ON
Accel. factor PE	4	Maxwell compensation	Off
Ref. lines PE	24	ICE program	
Accel. factor 3D	3	prepscans	single 0
Ref. lines 3D	33	higharana	U
Reference scan mode	Separate		
Prescan Normalize	Off		
Raw filter	Off		
Geometry			
		4/0	

\\USER\Feinberglab\Test\Testing\pgrs3d_asl_collection_new_7T Rel. SNR: 1.00

USER: pgrs3d_asl_collection_new_7T

Voxel size: 1.7×1.7×4.0 mm

TA: 3:20

TA. 3.20 VOXEI	Size. 1./X1./X4.0 IIIII Rei.	5NR. 1.00 USER. pgissu_a	SI_COIIeCtIOII_New_/ I
Properties		Table position	Н
Prio Recon	Off	Table position	0 mm
Before measurement	Oli	Inline Composing	Off
After measurement		System	
Load to viewer	On	T1	On
Inline movie	Off	M2	On
		B4	On
Auto store images	On Off		_
Load to stamp segments	Off	M3	On O"
Load images to graphic	Off	V32	Off
segments	•	Positioning mode	REF
Auto open inline display	Off	MSMA	S - C - T
Start measurement without	On	Sagittal	R >> L
further preparation		Coronal	A >> P
Wait for user to start	Off	Transversal	F >> H
Start measurements	single	Save uncombined	Off
Routine			- ··
		Coil Combine Mode	Adaptive Combine
Slab group 1	4	AutoAlign	Default
Slabs	1	Auto Coil Select	Default
Dist. factor	0 %	Shim mode	Standard
Position	R2.0 A29.7 H9.4	Adjust with body coil	Off
Orientation	Transversal	Confirm freq. adjustment	Off
Phase enc. dir.	R >> L	Assume Silicone	Off
Rotation	90.00 deg	? Ref. amplitude 1H	0.000 V
Phase oversampling	0 %		
Slice oversampling	0.0 %	Adjustment Tolerance	Auto
Slices per slab	26	Adjust volume	D0 0 400 7 110 4
FoV read	212 mm	Position	R2.0 A29.7 H9.4
FoV phase	75.0 %	Orientation	Transversal
Slice thickness	4.0 mm	Rotation	90.00 deg
TR	5000 ms	A >> P	212 mm
TE	20.88 ms	R >> L	159 mm
Averages	1	F >> H	104 mm
Concatenations	1	Dhyaia	
Filter	None	Physio	Nama
Coil elements	B4;M2,3;T1	1st Signal/Mode	None
Con elements	D4,IVIZ,3,1 I	Segments	10
Contrast		Composing	
Flip angle	100 deg	Sequence	
Fat suppr.	Fat sat.		Off
Fat sat. mode	Strong	Introduction	Off
Averaging mode	Long torm	Dimension	3D
Averaging mode	Long term	Reordering	Centric
Reconstruction	Magn./Phase	Contrasts	1
Measurements	2	Bandwidth	2056 Hz/Px
Pause after meas. 1	0.0 s	Echo spacing	0.7 ms
Multiple series	Each measurement	Turbo factor	10
Resolution		EPI factor	20
Base resolution	128	RF pulse type	Normal
Phase resolution	100 %	Gradient mode	Fast
Slice resolution	100 %	Gradient mode	гаы
	6/8	ASL mode	TE-pCASL
Slice partial Fourier		Pre sat	Off
Interpolation	On	manual LABEL/SAT region	Off
Prescan Normalize	Off	Robust Hadamard	Off
Raw filter	Off	Saturation mode	var. I
		Background Suppr	2*T1-based
Seometry		_ Daonground ouppi	BackgroundSupression
Series	Interleaved	BS parameter 1	700 ms
		BS parameter_1	
Cat ragion 1		BS parameter_2	100 ms 200 mm
Sat. region 1	47		ZUU mm
Thickness	17 mm	Thickness of BS slice	
Thickness Position	L0.0 P0.0 F67.7	FOCI parameter_0	600
Thickness Position Orientation	L0.0 P0.0 F67.7 Transversal	FOCI parameter_0 FOCI parameter_1	600 12
Thickness Position	L0.0 P0.0 F67.7	FOCI parameter_0	600

FOCI parameter_4
Additional scaling factor
Distribution Mode
z-spoiling
Fix label plane offset
pCASL bolus length
Subbolus length
Time encoding steps

RF gap

Solution

5.0
Equal
equal
1000 ms
50 ms
360 used

RF gap 360 usec RF FA 30 deg post labeling delay 1000 ms

Number of echoes

 $\verb|\USER\Feinberg| lab| Test| Testing BP_grase_clean_VASO2x2-ti1330| \\$

Rel. SNR: 1.00

Voxel size: 1.8×1.8×3.0 mm

TA: 0:20

PAT: 4

USER: BP_grase_clean_VASO

Properties				
Prio Recon Cife Section Sect	Properties		Raw filter	Off
Before measurement		Off	Geometry	
After measurement Load to viewer Inline movie On Inline movie Of Off Auto store images On Load to stamp segments of Undo to stamp segments of Undo to stamp segments of Undo Inline Composing Off System Off Auto open inline display Start measurement without further preparation Off System Wait for user to start Off Start measurements single Off M2 On Slatin measurement without further preparation Off M3 On On Wait for user to start Off Start measurements single Off M3 On On M42 On On On M3 On M3 On On M3 On M3 On On M3 On M3 On M3 On M3 On M3 M3 On M3 M3		Oli		Ascending
Load to viewer Inline move Of Special sat. None Inline move Off Table position H Load to stamp segments Off Table position Orm Auto open inline display Off System Xistr measurement without further preparation On M2 On Wait for user to start Off M3 On Start measurements single V32 Off Slab group 1 Start measurements single REF Slab drade T3 N5 L Corneal A2 A2 <				
Inline movie		On	Special sat.	None
Auto store images	Inline movie	_	Table position	Н
Load to stamp segments Off Inline Composing Off Load images to graphic segments Off System Auto open inline display Start measurement without further preparation On M2 On Wait for user to start Off M3 On Start measurements single Position On Slab group 1 Slabs of Dist. factor 1 Position One stand on Transversal Phase enc. dir. Solatial R >> L Phase enc. dir. R >> L AutoAlign A S <- C + T	Auto store images			
Load images to graphic segments Auto open inline display Off T1		Off		-
Auto open inline display Start measurement without Wait for user to start Wait for user to start Wait for user to start Start measurements Siab group 1 Slabs Dist, factor Offendition Slab group 1 Slabs 1 Dist, factor Ofientation Transversal Phase enc, dir. Routation Phase enc, dir. Rotation Phase oversampling Offendition Slice oversampling Offendition FoV phase ToV read FoV phase ToV phas		Off		
Marcon M	segments			
B4	Auto open inline display	Off		
M3	Start measurement without	On		
Name	further preparation			
Routine Positioning mode REF	Wait for user to start	Off		
Slab group 1 Slab group 1 Slab group 1 Slab group 1 Slab s	Start measurements	single	V32	Oπ
Slab group 1 Slab group 1 Slab group 1 Slab s	Pouting		Positioning mode	REF
Slabs				S-C-T
Dist. factor		4	Sagittal	R >> L
Position	- 10.10			A >> P
Definition Continuation Conti			Transversal	F >> H
Phase enc. dir. R >> L Rotation 90.00 deg Phase oversampling 0.0 % Slices oversampling 0.0 % Slices per slab 12 FoV read 234 mm FoV phase 75.0 % Slice thickness 3.0 mm TR 4000 ms Averages 1 Averages 1 Averages 1 Coll elements B4,M2,3;T1 Filter None Coll elements B4,M2,3;T1 Resconstruction Non-sel. IR TI 2000 ms Pilip angle 180 deg Fat suppr. None Averaging mode Long term Reconstruction Magnitude Measurements 4 Pause after meas. 1 0.0 s Pause after meas. 2 0.0 s Pause after meas. 3 0.0 s Resolution 128 Phase resolution 100 % Base resolution 100 % <tr< td=""><td></td><td></td><td></td><td>Off</td></tr<>				Off
Rotation 90.00 deg Auto Align Auto Coil Select Default			Coil Combine Mode	Sum of Squares
Nase oversampling 0 % Slice per salab 12 Shim mode Standard Off Confirm freq. adjustment Off Onfo Off Onfo				
Slice oversampling				Default
Silices per slab				
FoV read				
FoV phase	· · · · · · · · · · · · · · · · · · ·	•=		
Slice thickness 3.0 mm 7 Ref. amplitude 1H 0.000 V TR		_		
TR 4000 ms Adjustment Tolerance Auto TE 53.26 ms Adjust volume Averages 1 Position L 0.0 A30.8 H1.2 Concatenations 1 Orientation Transversal Filter None Rotation 90.00 deg Coll elements B4;M2,3;T1 A >> P 234 mm Contrast R >> L 176 mm 176 mm Foundation None F> H 36 mm Magn. preparation Nones. Physio Transversal Filip angle 180 deg Tst Signal/Mode None Averaging mode Long term Reconstruction Magnitude Sequence Measurements 4 Composing Sequence Measurements 4 Dimension 3D Pause after meas. 1 0.0 s Reordering Centric Pause after meas. 2 0.0 s Reordering Centric Pause after meas. 3 0.0 s Trotact maken 1 Resolution				_
TE 53.26 ms Adjust volume Averages 1 Position L0.0 A30.8 H1.2 Concatenations 1 Orientation Transversal Rotation 90.00 deg Position L0.0 A30.8 H1.2 Contrast None Rotation 90.00 deg Contrast Non-sel. IR 176 mm Fs.> L 176 mm Magn. preparation Non-sel. IR Fs.> H 36 mm 36 mm TI 2000 ms Physio 1st Signal/Mode None Averaging mode Long term Composing None Composing Averaging mode Long term Sequence Composing None Composing Averaging mode Long term Reconstruction Magnitude Sequence Sequence Introduction Off Off One Dimension 3D Recordering Contract Contract As a prescultion 20 Contracts 1 Amount of the prescuence Introduction 1 Amount of the prescuence Fel factor				
Averages 1 Position L0.0 A30.8 H1.2 Concatenations 1 Position Transversal Filter None Rotation 90.00 deg Position Position Transversal Filter None Rotation 90.00 deg Position				Auto
Concatenations 1				10010001110
Filter Coil elements None B4;M2,3;T1 Rotation 90.00 deg A >> P 234 mm Contrast A >> P 234 mm Magn. preparation TI 2000 ms Physio Flip angle Fat suppr. 180 deg None Averaging mode Reconstruction Measurements AP Pause after meas. 1 0.0 s Reordering Centric Pause after meas. 2 0.0 s Reordering Centric Pause after meas. 3 0.0 s Reordering Centric Contrasts 1 Bandwidth 3256 Hz/Px Pause after meas. 3 Multiple series Off Base resolution Phase resolution 100 % Slice partial Fourier Interpolation On Slice partial Fourier On Accel. factor PE 2 Ref. lines PE 24 Accel. factor PE 2 Ref. lines PE 24 Reference scan mode A >> P 234 mm Physio Try 176 mm Fs >> H 36 mm Rotation 90.00 deg A >> P Physio Try 234 mm A >> P 234 mm Rotation 90.00 deg A >> Physio Try 234 mm T 176 mm Physio Try 36 mm Thysio Try 176 mm Physio Try 176 mm Se mm Physio Try 176 mm None Sequence Introduction Off Introduction Off Off Dimension 3D 3D Requence Centric Composing Contrasts 1 1 Disconsidering Centric Contrasts 1 1 Disconsidering Centric Centric Contrasts 1 1				
Coil elements B4;M2,3;T1 A >> P 234 mm Contrast R >> L 176 mm Magn. preparation Non-sel. IR F >> H 36 mm TI 2000 ms Physio F >> H 36 mm Flip angle 180 deg 1st Signal/Mode None Averaging mode Long term Composing Composing Reconstruction Magnitude Sequence Measurements 4 Introduction Off Pause after meas. 1 0.0 s Reordering Centric Pause after meas. 2 0.0 s Reordering Centric Pause after meas. 3 0.0 s Reordering Centric Contrasts 1 Bandwidth 3256 Hz/Px Resolution 5 End of spacing 1 ms Resolution 100 % F pulse type Normal Slice partial Fourier Off Gradient mode Fast* Interpolation On Fept secondary 90 PAT mode GRAPPA GRAPPA </td <td></td> <td>·</td> <td></td> <td></td>		·		
Contrast R >> L 176 mm Magn. preparation Non-sel. IR F >> H 36 mm TI 2000 ms Physio Physio Flip angle 180 deg Tst Signal/Mode None Averaging mode Long term Composing Averaging mode Long term Sequence Reconstruction Magnitude Introduction Off Measurements 4 Introduction Off Pause after meas. 1 0.0 s Reordering Centric Pause after meas. 2 0.0 s Reordering Centric Pause after meas. 3 0.0 s Reordering Centric Contrasts 1 Bandwidth 3256 Hz/Px Echo spacing 1 ms Echo spacing 1 ms Resolution 128 Turbo factor 6 EPI factor 96 Slice resolution 100 % RF pulse type Normal Fast* Slice partial Fourier Off Gradient mode Fast* Intro factor	1			
Magn. preparation	Con clements	D+,IVI2,3,11		
TI 2000 ms Physio Physio Sequence Composing Sequence Sequ				
Flip angle Fat suppr. Averaging mode Reconstruction Magnitude Measurements 4 Introduction 3D Pause after meas. 1 0.0 s Pause after meas. 2 0.0 s Pause after meas. 3 0.0 s Pause after meas. 4 Pause after meas. 3 Pause after meas. 4 Pause after meas. 5 Pause after meas. 5 Pause after meas. 6 Pause after meas. 6 Pause after meas. 6 Pause after meas. 7 Pause after meas. 7 Pause after meas. 7 Pause after meas. 7 Pause after meas. 8 Pause after meas. 9 Pause after meas. 1 Pause after meas. 1 Pause after meas. 1 Pause after meas. 2 Pause after meas. 2 Pause after meas. 1 Pause after meas. 2 Pause after meas. 1 Pause after meas. 2 Pause after meas. 1 Pause after meas	Magn. preparation	Non-sel. IR	— F >> H	36 mm
None Composing			Physio	
Averaging mode Reconstruction Magnitude Measurements A pause after meas. 1 Pause after meas. 2 Pause after meas. 3 Multiple series Off Base resolution Slice resolution Slice partial Fourier Interpolation Off Off Off Off BACEL factor PE Accel. factor 3D Reference scan mode Reconstruction Magnitude Magnitude Sequence Introduction Off Dimension Sequence Requence Sequence Introduction Off Dimension Sab Reordering Centric Contracts 1 Dandwidth Sazo6 Hz/Px Echo spacing 1 ms Turbo factor 6 EPI factor 96 RF pulse type Normal Gradient mode Fast* Interpolation Off Interpolation On Interpolatio		180 deg	1st Signal/Mode	None
Averaging mode Reconstruction Magnitude Measurements 4 Dimension Pause after meas. 1 Pause after meas. 2 Pause after meas. 3 Multiple series Off Base resolution Base resolution Slice partial Fourier Interpolation Off Off BAT mode Accel. factor PE Accel. factor 3D Reconstruction Magnitude Magnitude Magnitude Introduction Off Dimension SD Reordering Centric Contrasts 1 Bandwidth 3256 Hz/Px Echo spacing 1 ms Turbo factor 6 EPI factor 96 RF pulse type Normal Gradient mode Fast* Interpolation On Refocussing type Sinc 2560 Flip angle excit Phase encoding ON Maxwell compensation Off ICE program Single Prepscans O Reference scan mode Separate	Fat suppr.	None	Composing	
Reconstruction Magnitude Measurements 4 Pause after meas. 1 0.0 s Pause after meas. 2 0.0 s Pause after meas. 3 0.0 s Multiple series Off Base resolution Base resolution 100 % Slice resolution 100 % Slice partial Fourier Interpolation On PAT mode Accel. factor PE Accel. factor 3D Reference scan mode Reference scan mode Magnitude Introduction Off Dimension 3D Reordering Centric Contrasts 1 Bandwidth 3256 Hz/Px Echo spacing 1 ms Turbo factor 6 EPI factor 96 RF pulse type Normal Gradient mode Fast* Maxwell compensation Off ICE program single prepscans Off Reference scan mode Sequence	Averaging mode	I ong term	Composing	
Measurements4IntroductionOffPause after meas. 10.0 sDimension3DPause after meas. 20.0 sReorderingCentricPause after meas. 30.0 sContrasts1Multiple seriesOffBandwidth3256 Hz/PxResolution100 %Echo spacing1 msBase resolution100 %Fl factor6Slice resolution100 %RF pulse typeNormalSlice partial FourierOffGradient modeFast*InterpolationOnrefocussing typesinc 2560PAT modeGRAPPAflip angle excit90Accel. factor PE2Maxwell compensationOffRef. lines PE24Maxwell compensationOffAccel. factor 3D2ICE programsingleRef. lines 3D12prepscans0Reference scan modeSeparate	0 0	-	Sequence	
Pause after meas. 1 0.0 s Pause after meas. 2 0.0 s Pause after meas. 3 0.0 s Multiple series Off Resolution Base resolution 128 Phase resolution 100 % Slice resolution 100 % Slice partial Fourier Interpolation On refocusing type Accel. factor PE Ref. lines PE Accel. factor 3D Resolution Since partial Fourier Reference scan mode Resolution Separate Dimension 3D Reordering Centric Contrasts 1 Bandwidth 3256 Hz/Px Echo spacing 1 ms Turbo factor 6 EPI factor 96 EPI factor 96 RF pulse type Normal Gradient mode Fast* refocussing type sinc 2560 flip angle excit 90 Maxwell compensation Off ICE program single prepscans 0		•	Introduction	Off
Pause after meas. 2 Pause after meas. 3 Pause			Dimension	3D
Pause after meas. 3 Multiple series Off Resolution Base resolution Phase resolution Slice resolution Slice partial Fourier Interpolation On PAT mode Accel. factor PE Ref. lines PE Accel. factor 3D Reference scan mode Pause after meas. 3 O.0 s Off Bandwidth 3256 Hz/Px Echo spacing 1 ms Turbo factor 6 EPI factor 96 RF pulse type Normal Gradient mode Fast* refocussing type sinc 2560 flip angle excit phase encoding Maxwell compensation Off ICE program single prepscans O Reference scan mode Separate			Reordering	Centric
Multiple series Resolution Base resolution 128 Phase resolution 100 % Slice resolution 100 % Slice partial Fourier Interpolation On PAT mode Accel. factor PE Ref. lines PE Accel. factor 3D Ref. lines 3D Reference scan mode Separate Bandwidth 3256 Hz/Px Echo spacing 1 ms Turbo factor 6 EPI factor 96 RF pulse type Normal Gradient mode Fast* refocussing type sinc 2560 flip angle excit 90 Maxwell compensation Off ICE program single prepscans 0			Contrasts	1
Resolution Base resolution 128 Phase resolution 100 % Slice resolution 100 % Slice partial Fourier Off Interpolation On Fast* PAT mode Accel. factor PE Ref. lines PE Accel. factor 3D Reference scan mode Separate Echo spacing 1 ms Turbo factor 6 EPI factor 96 RF pulse type Normal Gradient mode Fast* Turbo factor 6 EPI factor 96 FAT mode RF pulse type Sinc 2560 FAT mode GRAPPA flip angle excit 90 Maxwell compensation Off ICE program single prepscans 0 Reference scan mode Separate			Bandwidth	3256 Hz/Px
Base resolution 128 Phase resolution 100 % Slice resolution 100 % Slice partial Fourier Off Interpolation On refocussing type sinc 2560 PAT mode GRAPPA flip angle excit 90 Accel. factor PE 2 phase encoding ON Ref. lines PE 24 Maxwell compensation Off Accel. factor 3D 2 Ref. lines 3D 12 prepscans 0 Reference scan mode Separate			Echo spacing	1 ms
Phase resolution 100 % FP pulse type Normal Slice partial Fourier Off Gradient mode Fast* Interpolation On refocussing type sinc 2560 PAT mode GRAPPA flip angle excit 90 Accel. factor PE 2 phase encoding ON Ref. lines PE 24 Maxwell compensation Off ICE program single Ref. lines 3D 12 prepscans 0 Reference scan mode Separate			Turbo footor	
Slice resolution 100 % Slice partial Fourier Off Interpolation On refocussing type sinc 2560 PAT mode GRAPPA flip angle excit 90 Accel. factor PE 2 phase encoding ON Ref. lines PE 24 Maxwell compensation Off Accel. factor 3D 2 ICE program single Ref. lines 3D 12 prepscans 0 Reference scan mode Separate				-
Slice partial Fourier Off Gradient mode Fast* Interpolation On refocussing type sinc 2560 PAT mode GRAPPA flip angle excit 90 Accel. factor PE 2 phase encoding ON Ref. lines PE 24 Maxwell compensation Off Accel. factor 3D 2 ICE program single Ref. lines 3D 12 prepscans 0 Reference scan mode Separate				
Interpolation On refocussing type sinc 2560 PAT mode GRAPPA flip angle excit 90 Accel. factor PE 2 phase encoding ON Ref. lines PE 24 Maxwell compensation Off Accel. factor 3D 2 ICE program single Ref. lines 3D 12 prepscans 0 Reference scan mode Separate				
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