\\USER\Feinberglab\Test\iceTesting\BP_grase_clean_sat_2mb_m1m1
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TA: 0:20 PAT: Off Voxel size: 1.6×1.6×1.0 mm Rel. SNR: 1.00 USER: BP_grase_clean_sat_2mb_new

Properties		Position	L0.0 P23.7 H0.0
Prio Recon	Off	Orientation	Coronal
Before measurement		Special sat.	None
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	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		V32	
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	4	Transversal	F >> H
Slabs Dist factor	1	Save uncombined	Off
Dist. factor	200 %	Coil Combine Mode	Adaptive Combine
Position	L0.0 P23.7 H6.8	AutoAlign	
Orientation	Transversal	Auto Coil Select	Default
Phase enc. dir.	A >> P		
Rotation	0.00 deg	Shim mode	Standard
Phase oversampling	0%	Adjust with body coil	Off
Slice oversampling	25.0 %	Confirm freq. adjustment	Off
Slices per slab	8	Assume Silicone	Off
FoV read	160 mm	? Ref. amplitude 1H	0.000 V
FoV phase	32.0 %	Adjustment Tolerance	Auto
Slice thickness	1.0 mm	Adjust volume	-
TR	4000 ms	Position	L0.0 P23.7 H6.8
TE	34.32 ms	Orientation	Transversal
Averages	1	Rotation	0.00 deg
Concatenations	1	R >> L	160 mm
Filter	None	A >> P	52 mm
Coil elements	B4;M2,3;T1	F >> H	8 mm
Contrast		Physio	
Flip angle	160 deg	1st Signal/Mode	None
Fat suppr.	Fat sat.	Composing	
Fat sat. mode	Strong	Composing	
Averaging mode	Long term	Sequence	
Reconstruction	Magnitude	Introduction	Off
Measurements	5	Dimension	3D
Pause after meas. 1		I December 2	Centric
	0.0 s	Reordering	Centilo
Pause after meas. 2	0.0 s 0.0 s	Contrasts	1
Pause after meas. 2 Pause after meas. 3		Contrasts Bandwidth	1 1924 Hz/Px
	0.0 s	Contrasts	1
Pause after meas. 3	0.0 s 0.0 s	Contrasts Bandwidth Echo spacing	1 1924 Hz/Px 0.7 ms
Pause after meas. 3 Pause after meas. 4 Multiple series	0.0 s 0.0 s 0.0 s	Contrasts Bandwidth Echo spacing Turbo factor	1 1924 Hz/Px 0.7 ms
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution	0.0 s 0.0 s 0.0 s Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor	1 1924 Hz/Px 0.7 ms 10 32
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution	0.0 s 0.0 s 0.0 s Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type	1 1924 Hz/Px 0.7 ms 10 32 Normal
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution	0.0 s 0.0 s 0.0 s Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast*
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution Slice resolution	0.0 s 0.0 s 0.0 s Off 100 100 % 100 %	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type Gradient mode refocussing type	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast*
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution Slice resolution Slice partial Fourier	0.0 s 0.0 s 0.0 s Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type Gradient mode refocussing type flip angle excit	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast* sinc 2560 90
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution Slice resolution	0.0 s 0.0 s 0.0 s Off 100 100 % 100 %	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type Gradient mode refocussing type flip angle excit Crusher Momentum	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast* sinc 2560 90 40000
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution Slice resolution Slice partial Fourier Interpolation	0.0 s 0.0 s 0.0 s Off 100 100 % 100 % Off Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type Gradient mode refocussing type flip angle excit	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast* sinc 2560 90
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution Slice resolution Slice partial Fourier Interpolation PAT mode	0.0 s 0.0 s 0.0 s Off 100 100 % 100 % Off Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type Gradient mode refocussing type flip angle excit Crusher Momentum Crusher Time phase encoding	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast* sinc 2560 90 40000 2000 ON
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution Slice resolution Slice partial Fourier Interpolation	0.0 s 0.0 s 0.0 s Off 100 100 % 100 % Off Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type Gradient mode refocussing type flip angle excit Crusher Momentum Crusher Time	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast* sinc 2560 90 40000 2000 ON
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution Slice resolution Slice partial Fourier Interpolation PAT mode Raw filter	0.0 s 0.0 s 0.0 s Off 100 100 % 100 % Off Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type Gradient mode refocussing type flip angle excit Crusher Momentum Crusher Time phase encoding	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast* sinc 2560 90 40000 2000 ON
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution Slice resolution Slice partial Fourier Interpolation PAT mode Raw filter Geometry	0.0 s 0.0 s 0.0 s 0.0 s Off 100 100 % 100 % Off Off None Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type Gradient mode refocussing type flip angle excit Crusher Momentum Crusher Time phase encoding Maxwell compensation	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast* sinc 2560 90 40000 2000 ON
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution Slice resolution Slice partial Fourier Interpolation PAT mode Raw filter	0.0 s 0.0 s 0.0 s Off 100 100 % 100 % Off Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type Gradient mode refocussing type flip angle excit Crusher Momentum Crusher Time phase encoding Maxwell compensation ICE program	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast* sinc 2560 90 40000 2000 ON Off single
Pause after meas. 3 Pause after meas. 4 Multiple series Resolution Base resolution Phase resolution Slice resolution Slice partial Fourier Interpolation PAT mode Raw filter Geometry	0.0 s 0.0 s 0.0 s 0.0 s Off 100 100 % 100 % Off Off None Off	Contrasts Bandwidth Echo spacing Turbo factor EPI factor RF pulse type Gradient mode refocussing type flip angle excit Crusher Momentum Crusher Time phase encoding Maxwell compensation ICE program prepscans	1 1924 Hz/Px 0.7 ms 10 32 Normal Fast* sinc 2560 90 40000 2000 ON Off single 0

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

MB Number2 1 Dummy TR(ut:ms) 2000

TA: 0:33 PAT: 2 Voxel size: 1.6×1.6×1.0 mm Rel. SNR: 1.00 USER: ep2d_bold_sbmb_cte_ipat_fov_asym

Properties		Special sat.	None
Prio Recon	Off	Table position	Н
Before measurement		Table position	0 mm
After measurement		Inline Composing	Off
Load to viewer	On		
Inline movie	Off	System	
Auto store images	On	T1	On
Load to stamp segments	Off	M2	On
Load images to graphic	Off	B4	On
segments		M3	On
Auto open inline display	Off	V32	Off
Start measurement without	On	Positioning mode	REF
further preparation	.	MSMA	S-C-T
Wait for user to start	Off	Sagittal	R >> L
Start measurements	single	Coronal	A >> P
!	on gio	Transversal	F >> H
Routine		Coil Combine Mode	Sum of Squares
Slice group 1			
Slices	96	AutoAlign Auto Coil Select	 Default
Dist. factor	0 %	Auto Coli Select	Delault
Position	L0.0 A27.8 H28.5	Shim mode	Standard
Orientation	T > C-15.3	Adjust with body coil	Off
Phase enc. dir.	A >> P	Confirm freq. adjustment	Off
Rotation	0.00 deg	Assume Silicone	Off
Phase oversampling	0 %	? Ref. amplitude 1H	0.000 V
FoV read	200 mm	Adjustment Tolerance	Auto
FoV phase	100.0 %	Adjust volume	71010
Slice thickness	1.0 mm	Position	L0.0 A27.8 H28.5
TR	1500 ms	Orientation	T > C-15.3
TE	19 ms	Rotation	0.00 deg
Averages	1	Rotation R >> L	200 mm
Concatenations	1		
Filter	None	A >> P	200 mm
		F >> H	96 mm
Coil elements	B4;M2,3;T1	Physio	
Contrast		1st Signal/Mode	None
MTC	Off	- 1	
Flip angle	60 deg	BOLD	
Fat suppr.	Fat sat.	GLM Statistics	On
		Dynamic t-maps	Off
Averaging mode	Long term	Starting ignore meas	0
Reconstruction	Magnitude	Ignore after transition	0
Measurements	19	Model transition states	On
Delay in TR	0 ms	Temp. highpass filter	On
Multiple series	Off	Threshold	4.00
Resolution		Paradigm size	19
	120	- Meas[1]	Baseline
Base resolution	128	Meas[2]	Baseline
Phase resolution	100 %	Meas[3]	Baseline
Phase partial Fourier	6/8	Meas[4]	Baseline
Interpolation	Off	Meas[5]	Baseline
PAT mode	GRAPPA	Meas[6]	Baseline
Accel. factor PE	2	Meas[7]	Baseline
Ref. lines PE	24	Meas[8]	Baseline
Reference scan mode			Baseline
Reference Scart mode	Separate	Meas[9]	
Distortion Corr.	Off	Meas[10]	Baseline
Prescan Normalize	Off	Meas[11]	Active
Raw filter	Off	Meas[12]	Active
Elliptical filter	Off	Meas[13]	Active
Hamming	_ **	Meas[14]	Active
	Off		
	Off	Meas[15]	Active
Geometry		Meas[15] Meas[16]	Active
Geometry Multi-slice mode	Interleaved	Meas[15] Meas[16] Meas[17]	Active Active
		Meas[15] Meas[16]	Active

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

Motion correction	On
Interpolation	3D-K-space
Spatial filter	Off

Sequence

Introduction Bandwidth Free echo spacing Echo spacing	Off 1954 Hz/Px Off 0.64 ms
EPI factor RF pulse type Gradient mode RF spoiling	128 Normal Fast On
RF90 duration MB Number DummyScan Number FOV Shift Number Shift K0 Center Every Other Slice SER Number 2nd RFoff(1) Polarity(1) Dephase(0) Echo Distance MB Measurements Ramp On	5120 4 3 3 1 1 1 0 0 0 0 1.00 4 On

\\USER\Feinberglab\Test\iceTesting\ep2d_bold_OVS2_m2

USER: ep2d_bold_OVS2

Voxel size: 1.7x1.7x1.5 mm Rel. SNR: 1.00

PAT: 2

TA: 1:16

	V 0X01 3120. 1.7 X 1.7 X	1.0 11111 1.01. GIVIC. 1.00 GGET	
		Sat. region 1	
Properties		Thickness	50 mm
Prio Recon	Off		
Before measurement		Position	L0.0 A116.8 H0.0
After measurement		Orientation	Coronal
Load to viewer	On	Sat. region 2	
Inline movie	Off	Thickness	50 mm
		Position	L0.0 P46.6 H0.0
Auto store images	On O"	Orientation	Coronal
Load to stamp segments	Off	Special sat.	None
Load images to graphic	Off		
segments		Table position	Н
Auto open inline display	Off	Table position	0 mm
Start measurement without	On	Inline Composing	Off
further preparation			
Wait for user to start	Off	System	
Start measurements	single	T1	On
Start measurements	Sirigle	M2	On
Routine		B4	On
Slice group 1		M3	On
Slices	48	V32	Off
Dist. factor	0 %	v JZ	—
		Positioning mode	REF
Position	L0.0 A33.6 H27.7	MSMA	S - C - T
Orientation	Transversal	Sagittal	R >> L
Phase enc. dir.	A >> P		
Rotation	0.00 deg	Coronal	A >> P
Phase oversampling	0 %	Transversal	F >> H
FoV read	212 mm	Coil Combine Mode	Sum of Squares
FoV phase	62.5 %	AutoAlign	
		Auto Coil Select	Default
Slice thickness	1.50 mm		
TR	4760 ms	Shim mode	Standard
TE	20 ms	Adjust with body coil	Off
Averages	1	Confirm freq. adjustment	Off
Concatenations	1	Assume Silicone	Off
Filter	None	? Ref. amplitude 1H	0.000 V
Coil elements	B4;M2,3;T1	Adjustment Tolerance	Auto
Oon cicinchis	D-1,1412,0,1 1		Auto
Contrast		Adjust volume	1000000007
MTC	Off	—— Position	L0.0 A33.6 H27.7
Flip angle	90 deg	Orientation	Transversal
Fat suppr.	Fat sat.	Rotation	0.00 deg
Tat Suppr.		R >> L	212 mm
Averaging mode	Long term	A >> P	133 mm
Reconstruction	Magnitude	F >> H	72 mm
Measurements	13	1	. =
Delay in TR	0 ms	Physio	
		1st Signal/Mode	None
Multiple series	Off		
Resolution		BOLD	
Base resolution	128	GLM Statistics	Off
Phase resolution	100 %	Dynamic t-maps	Off
		Starting ignore meas	0
Phase partial Fourier	6/8	Ignore after transition	0
Interpolation	Off	Model transition states	On
PAT mode	CDADDA		
	GRAPPA	Temp. highpass filter	On
Accel. factor PE	2	Threshold	4.00
Ref. lines PE	24	Paradigm size	16
Reference scan mode	Separate	Meas[1]	Baseline
Distantian O	O#	Meas[2]	Baseline
Distortion Corr.	Off	Meas[3]	Baseline
Prescan Normalize	Off	Meas[4]	Baseline
Raw filter	On		Baseline
Elliptical filter	Off	Meas[5]	
Hamming	Off	Meas[6]	Baseline
•		Meas[7]	Baseline
Geometry		Meas[8]	Baseline
Multi-slice mode	Interleaved	Meas[9]	Baseline
Series	Ascending	Meas[10]	Baseline
		Meas[11]	Active
		141040[11]	7.00140

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Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Motion correction	On
Interpolation	3D-K-space
Spatial filter	Off

Sequence

٠	Sequence	
	Introduction	Off
	Bandwidth	2056 Hz/Px
	Free echo spacing	Off
	Echo spacing	0.59 ms
	EPI factor	80
	RF pulse type	Normal
	Gradient mode	Fast
	RF spoiling	On
		5400
	RF90 duration	5120
	MB Number	2
	DummyScan Number	3
	FOV Shift Number	2
	Shift K0 Center	1
	Every Other Slice	1
	SER Number	1
	Spoil factor	5
	Skew Direction	0
	Sat RF90 duration	5120
	Dual On(1)	1
	Echo Distance	1.00
	MB Measurements	4
	Ramp On	On