TA: 9.2 s

SIEMENS: gre

171. 0.2 0	TOAGI GIZO. E.ZA	1.17.10.0 11111 1101. 01411. 1.00	
<b>.</b>		Phase partial Fourier	Off
Properties		—— Interpolation	Off
Prio Recon	Off		
Before measurement		PAT mode	None
After measurement		Matrix Coil Mode	Auto (CP)
Load to viewer	On	Image Filter	Off
Inline movie	Off	Distortion Corr.	Off
Auto store images	On	Prescan Normalize	Off
Load to stamp segments	On	Normalize	Off
Load images to graphic	Off	B1 filter	Off
segments		Raw filter	Off
Auto open inline display	Off	Elliptical filter	Off
Start measurement without	On	Emplical milei	Oli
further preparation		Geometry	
Wait for user to start	Off	Multi-slice mode	Sequential
Start measurements	single	Series	Interleaved
Routine			
		Saturation mode	Standard
Slice group 1	4	Special sat.	None
Slices	1		
Dist. factor	20 %	Tim CT mode	Off
Position	L0.0 P2.7 H10.8	System	
Orientation	Sagittal	Body	Off
Phase enc. dir.	A >> P	HEP	On
Rotation	0.00 deg	HEA	On On
Slice group 2		ПЕА	On
Slices	1	Positioning mode	REF
Dist. factor	20 %	Table position	Н
Position	L0.0 A3.4 H6.8	Table position	0 mm
Orientation	Transversal	MSMA	S-C-T
Phase enc. dir.	A >> P	Sagittal	R >> L
Rotation	0.00 deg	Coronal	A >> P
Slice group 3		Transversal	F>> H
Slices	1	Save uncombined	Off
Dist. factor	20 %	Coil Combine Mode	Adaptive Combine
Position	L0.0 A17.6 H8.8	Auto Coil Select	Default
Orientation	C > T0.1	7.010 0011 001001	
Phase enc. dir.	R >> L	Shim mode	Tune up
Rotation	0.00 deg	Adjust with body coil	Off
Phase oversampling	0 %	Confirm freq. adjustment	Off
FoV read	280 mm	Assume Silicone	Off
FoV phase	100.0 %	? Ref. amplitude 1H	0.000 V
Slice thickness	10.0 mm	Adjustment Tolerance	Auto
TR	20.0 ms	Adjust volume	
TE	5.00 ms	Position	Isocenter
Averages	1	Orientation	Transversal
Concatenations	3	Rotation	0.00 deg
Filter	None	R >> L	350 mm
Coil elements	HEA;HEP	A >> P	263 mm
1		F >> H	350 mm
Contrast		Dhuais	
TD	0 ms	Physio	
MTC	Off	1st Signal/Mode	None
Magn. preparation	None	Segments	1
Flip angle	40 deg	Dark blood	Off
Fat suppr.	None		
Water suppr.	None	Resp. control	Off
Averaging mode	Short term	Inline	
Averaging mode	Short term		Off
Reconstruction	Magnitude	Subtract	Off
Measurements	I Fook moooursesset	Liver registration	Off
Multiple series	Each measurement	Std-Dev-Sag	Off Off
Resolution		Std-Dev-Cor	Off
Base resolution	256	Std-Dev-Tra	Off
Phase resolution	50 %	Std-Dev-Time	Off
		MIP-Sag	Off
		41.	

	MIP-Cor MIP-Tra MIP-Time Save original images	Off Off Off On
	Wash - In Wash - Out TTP PEI MIP - time	Off Off Off Off
S	Sequence	
	Introduction Dimension Phase stabilisation Asymmetric echo Contrasts Bandwidth Flow comp. Allowed delay	On 2D Off Off 1 180 Hz/Px No 0 s
	RF pulse type Gradient mode Excitation RF spoiling	Fast Fast Slice-sel. On

\\USER\Conte\Core\ACTIVE\_Conte\_Core\_MRI\_Year2\LOI\_1\_MB

USER: cmrr\_mbep2d\_bold

Voxel size: 2.5×2.5×2.5 mm Rel. SNR: 1.00

PAT: Off

TA: 3:08

Properties		System	
Prio Recon	Off	Body	Off
Before measurement		HEP	On
After measurement		HEA	On
Load to viewer	On	D. M. Mariana	FIN
Inline movie	Off	Positioning mode	FIX
Auto store images	On	Table position	H
Load to stamp segments	Off	Table position	0 mm
Load images to graphic	Off	MSMA	S - C - T
segments	<b>3</b>	Sagittal	R >> L
Auto open inline display	Off	Coronal	A >> P
Start measurement without	On	Transversal	F >> H
	On	Coil Combine Mode	Sum of Squares
further preparation	On	Auto Coil Select	Default
Wait for user to start	On	01:	
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slice group 1		Confirm freq. adjustment	Off
Slices	56	Assume Silicone	Off
Dist. factor	0 %	? Ref. amplitude 1H	0.000 V
Position	L0.0 A12.2 H27.1	Adjustment Tolerance	Auto
		Adjust volume	
Orientation	T > C-20.0	Position	L0.0 A12.2 H27.1
Phase enc. dir.	A >> P	Orientation	T > C-20.0
Rotation	0.00 deg	Rotation	0.00 deg
Phase oversampling	0 %	R>> L	200 mm
FoV read	200 mm	A >> P	200 mm
FoV phase	100.0 %	F>>H	140 mm
Slice thickness	2.50 mm	12011	140 11111
TR	1000 ms	Physio	
TE	30.0 ms	1st Signal/Mode	None
Averages	1	1	
Multi-band accel. factor	4	BOLD	
Filter	None	GLM Statistics	Off
Coil elements	HEA;HEP	Dynamic t-maps	Off
Con ciomorite	11273,1121	Starting ignore meas	0
Contrast		Ignore after transition	0
MTC	Off	Model transition states	On
Magn. preparation	None	Temp. highpass filter	On
Flip angle	60 deg	Threshold	4.00
Fat suppr.	Fat sat.	Paradigm size	20
		Meas[1]	Baseline
Averaging mode	Long term	Meas[2]	Baseline
Reconstruction	Magnitude	Meas[3]	Baseline
Measurements	180		Baseline
Delay in TR	0 ms	Meas[4]	
Multiple series	Off	Meas[5]	Baseline
•		Meas[6]	Baseline
Resolution		Meas[7]	Baseline
Base resolution	80	Meas[8]	Baseline
Phase resolution	100 %	Meas[9]	Baseline
Phase partial Fourier	Off	Meas[10]	Baseline
Interpolation	Off	Meas[11]	Active
DAT mode	None	Meas[12]	Active
PAT mode	None	Meas[13]	Active
Matrix Coil Mode	Auto (CP)	Meas[14]	Active
Distortion Corr.	Off	Meas[15]	Active
Prescan Normalize	Off	Meas[16]	Active
Raw filter	On	Meas[17]	Active
		Meas[18]	Active
Elliptical filter	Off		
Hamming	Off	Meas[19]	Active
Geometry		Meas[20]	Active
Multi-slice mode	Interleaved	Motion correction	Off
		Spatial filter	Off
Sorios			
Series	Interleaved	Seguence	
Series Special sat.	None	Sequence Introduction	Off

Bandwidth	2404 Hz/Px
Echo spacing	0.54 ms
EPI factor	80
RF pulse type	Normal
Gradient mode	Fast
Excite pulse duration Single-band images SENSE1 coil combine Log physiology to file Invert RO/PE polarity Online multi-band recon. FFT scale factor Use triggering paradigm Starting ignore meas Paradigm size Multiplier Step [1] Step [2]	8000 us Off Off Off Off Online 1.00 Off 0 2 1

 $\verb|\USER\Conte|\Core\ACTIVE\_Conte\_Core\_MRI\_Year2\Fieldmap\_LOI|$ 

Rel. SNR: 1.00

Voxel size: 3.0×3.0×3.0 mm

TA: 0:54

SIEMENS: gre\_field\_mapping

Properties		Special sat.	None
Prio Recon	Off	System	
Before measurement		Body	Off
After measurement		HEP	On
Load to viewer	Off	HEA	On
Inline movie	Off	Positioning mode	FIX
Auto store images	On	Table position	H
Load to stamp segments	Off	Table position	0 mm
Load images to graphic	Off	MSMA	S - C - T
segments		Sagittal	R >> L
Auto open inline display	Off	Coronal	A >> P
Start measurement without	On	Transversal	F >> H
further preparation	0:-	Save uncombined	Off
Wait for user to start	On	Coil Combine Mode	Sum of Squares
Start measurements	single	Auto Coil Select	Default
Routine		—— Shim mode	Standard
Slice group 1		Adjust with body coil	Off
Slices	47	Confirm freq. adjustment	Off
Dist. factor	0 %	Assume Silicone	Off
Position	L0.0 A12.2 H27.1	? Ref. amplitude 1H	0.000 V
Orientation	T > C-20.0	Adjustment Tolerance	Auto
Phase enc. dir.	A >> P	Adjust volume	
Rotation	0.00 deg 0 %	Position	L0.0 A12.2 H27.1
Phase oversampling	0 % 192 mm	Orientation	T > C-20.0
FoV read FoV phase	100.0 %	Rotation	0.00 deg
Slice thickness	3.0 mm	R >> L	192 mm
TR	400.0 ms	A >> P	192 mm
TE 1	2.55 ms	F >> H	141 mm
TE 2	5.01 ms	Sequence	
Averages	1	Introduction	On
Concatenations	1	Dimension	2D
Filter	Prescan Normalize	Asymmetric echo	Off
Coil elements	HEA;HEP	Contrasts	2
I	,	Bandwidth	501 Hz/Px
Contrast MTC	Off	—— Flow comp.	No
Flip angle	45 deg	DE pulso timo	Name
Fat suppr.	None	RF pulse type Gradient mode	Normal
		RF spoiling	Fast
Averaging mode	Short term	nr spoiling	On
Reconstruction	Magn./Phase		
Measurements	1		
Multiple series	Off		
Resolution			
Base resolution	64		
Phase resolution	100 %		
Phase partial Fourier	Off		
Interpolation	Off		
Matrix Coil Mode	Auto (CP)		
Image Filter	Off		
Distortion Corr.	Off		
Unfiltered images	Off		
Prescan Normalize	On		
Normalize	Off		
B1 filter	Off		
Raw filter	Off		
Elliptical filter	Off		
Geometry			
Multi-slice mode	Interleaved		
Series	Interleaved		

\\USER\Conte\Core\ACTIVE\_Conte\_Core\_MRI\_Year2\LOI\_2\_MB

USER: cmrr\_mbep2d\_bold

Voxel size: 2.5×2.5×2.5 mm Rel. SNR: 1.00

PAT: Off

TA: 5:12

Properties		System	
Prio Recon	Off	Body	Off
Before measurement		HEP	On
After measurement		HEA	On
Load to viewer	On	D. Mr. M	FIN
Inline movie	Off	Positioning mode	FIX
Auto store images	On	Table position	H
Load to stamp segments	Off	Table position	0 mm
Load images to graphic	Off	MSMA	S - C - T
segments	<b>3.</b> 1	Sagittal	R >> L
Auto open inline display	Off	Coronal	A >> P
Start measurement without	On	Transversal	F >> H
further preparation	Oli	Coil Combine Mode	Sum of Squares
Wait for user to start	On	Auto Coil Select	Default
		01:	Objectively
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slice group 1		Confirm freq. adjustment	Off
Slices	56	Assume Silicone	Off
Dist. factor	0 %	? Ref. amplitude 1H	0.000 V
Position	L0.0 A12.2 H27.1	Adjustment Tolerance	Auto
Orientation	T > C-20.0	Adjust volume	
Phase enc. dir.	A >> P	Position	L0.0 A12.2 H27.1
		Orientation	T > C-20.0
Rotation	0.00 deg	Rotation	0.00 deg
Phase oversampling	0 %	R>>L	200 mm
FoV read	200 mm	A >> P	200 mm
FoV phase	100.0 %	F>> H	140 mm
Slice thickness	2.50 mm	1	1 10 11111
TR	1000 ms	Physio	
TE	30.0 ms	1st Signal/Mode	None
Averages	1	POLD	
Multi-band accel. factor	4	BOLD	0"
Filter	None	GLM Statistics	Off
Coil elements	HEA;HEP	Dynamic t-maps	Off
2		Starting ignore meas	0
Contrast		Ignore after transition	0
MTC	Off	Model transition states	On
Magn. preparation	None	Temp. highpass filter	On
Flip angle	60 deg	Threshold	4.00
Fat suppr.	Fat sat.	Paradigm size	20
Avoraging mode	Long torm	Meas[1]	Baseline
Averaging mode	Long term	Meas[2]	Baseline
Reconstruction	Magnitude	Meas[3]	Baseline
Measurements	304	Meas[4]	Baseline
Delay in TR	0 ms	Meas[5]	Baseline
Multiple series	Off	Meas[6]	Baseline
Resolution		Meas[7]	Baseline
Base resolution	80	Meas[7] Meas[8]	Baseline
Phase resolution	100 %		Baseline
		Meas[9]	
Phase partial Fourier	Off	Meas[10]	Baseline
Interpolation	Off	Meas[11]	Active
PAT mode	None	Meas[12]	Active
Matrix Coil Mode	Auto (CP)	Meas[13]	Active
		Meas[14]	Active
Distortion Corr.	Off	Meas[15]	Active
Prescan Normalize	Off	Meas[16]	Active
Raw filter	On	Meas[17]	Active
Elliptical filter	Off	Meas[18]	Active
Hamming	Off	Meas[19]	Active
_	<b>J</b>	Meas[20]	Active
Geometry		Motion correction	Off
Multi-slice mode	Interleaved	Spatial filter	Off
		Opalial IIIGI	Jii
Series	Interleaved		
Series		Sequence	
	Interleaved None	'	Off

Bandwidth	2404 Hz/Px
Echo spacing	0.54 ms
EPI factor	80
RF pulse type	Normal
Gradient mode	Fast
Excite pulse duration Single-band images SENSE1 coil combine Log physiology to file Invert RO/PE polarity Online multi-band recon. FFT scale factor Use triggering paradigm Starting ignore meas Paradigm size Multiplier Step [1] Step [2]	8000 us Off Off Off Off Online 1.00 Off 0 2 1

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	PAT: Off Voxel size: 1.0×1.0		SIEMENS: tfl
		B1 filter	Off
Properties		- Raw filter	Off
Prio Recon	Off	Elliptical filter	On
Before measurement		Mode	Inplane
After measurement		0	•
Load to viewer	On O"	Geometry	
Inline movie	Off	Multi-slice mode	Single shot
Auto store images	On	Series	Ascending
Load to stamp segments	On		
Load images to graphic	On	System	
segments	0"	Body	Off
Auto open inline display	Off	HEP	On
Start measurement without	On	HEA	On
further preparation	0	Positioning mode	REF
Wait for user to start	On	Table position	H
Start measurements	single	Table position	0 mm
Routine		MSMA	S - C - T
Slab group 1		Sagittal	R >> L
Slabs	1	Coronal	A >> P
Dist. factor	50 %	Transversal	F>> H
Position	L0.0 A11.5 F19.0	Save uncombined	Off
Orientation	Sagittal	Coil Combine Mode	
Phase enc. dir.	A >> P	Auto Coil Select	Adaptive Combine
Rotation	0.00 deg	Auto Coli Select	Default
Phase oversampling	0.00 deg 0 %	Shim mode	Standard
	9.1 %	Adjust with body coil	Off
Slice oversampling		Confirm freq. adjustment	Off
Slices per slab FoV read	176 256 mm	Assume Silicone	Off
		? Ref. amplitude 1H	0.000 V
FoV phase Slice thickness	100.0 %	Adjustment Tolerance	Auto
	1.00 mm 1500 ms	Adjust volume	
TR		Position	L0.0 A11.5 F19.0
TE	2.91 ms	Orientation	Sagittal
Averages	1	Rotation	0.00 deg
Concatenations	1	F >> H	256 mm
Filter	Prescan Normalize, Elliptical	A >> P	256 mm
<b>.</b>	filter	R>>L	176 mm
Coil elements	HEA;HEP	ļ	170 111111
Contrast		Physio - 1st Signal/Mode	None
Magn. preparation	Slice-sel. IR		
TI	800 ms	Dark blood	Off
Flip angle	10 deg	Door control	O#
Fat suppr.	None	Resp. control	Off
Water suppr.	None	Inline	
Averaging mode	Long term	Subtract	Off
Reconstruction	Magnitude	Std-Dev-Sag	Off
Measurements	1	Std-Dev-Cor	Off
Multiple series	Each measurement	Std-Dev-Tra	Off
•	Edon modediomoni	Std-Dev-Time	Off
Resolution		MIP-Sag	Off
Base resolution	256	MIP-Cor	Off
Phase resolution	100 %	MIP-Tra	Off
Slice resolution	100 %	MIP-Time	Off
Phase partial Fourier	Off	Save original images	On
Slice partial Fourier	Off	1	
Interpolation	Off	Sequence	
	NI	Introduction	On
PAT mode	None	Dimension	3D
Matrix Coil Mode	Auto (CP)	Elliptical scanning	Off
Image Filter	Off	Asymmetric echo	Allowed
Distortion Corr.	Off	Bandwidth	180 Hz/Px
Unfiltered images	Off	Flow comp.	No
Prescan Normalize	On	Echo spacing	7.1 ms
Normalize	Off		Foot
10111141120	<b>-</b>	RF pulse type	Fast

Gradient mode Normal Excitation Slab-sel. RF spoiling On