

SIEMENS MAGNETOM Allegra syngo MR 2004A

\\USER\ICBM\PRODUCTION\ICBM3\circle_localizer

Scan Time: 0:17 Voxel size: 1.2x1.2x7.0 [mm] Rel. SNR: 1.00 SIEMENS: gre_circle

Routine

Slice group 1	
Slices	1
Dist. factor	20 [%]
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0 [deg]
Slice group 2	
Slices	1
Dist. factor	20 [%]
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0 [deg]
Slice group 3	
Slices	1
Dist. factor	20 [%]
Position	Isocenter
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0 [deg]
Phase oversampling	0 [%]
FoV read	300 [mm]
FoV phase	100.0 [%]
Slice thickness	7 [mm]
TR	20 [ms]
TE	3.39 [ms]
Averages	1
Concatenations	3
Filter	None
Coil elements	HE

Contrast

TD	0 [ms]
MTC	0
Magn. preparation	None
Flip angle	25 [deg]
Reconstruction	Magnitude
Fat suppr.	None
Water suppr.	None
Measurements	1

Resolution

Base resolution	256
Phase resolution	100 [%]
Phase partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Large FoV	Off
Filter 3	
Normalize	Off
Filter 4	
Elliptical filter	Off
Interpolation	0

PAT mode	None

Geometry

Multi-slice mode	Interleaved
Series	Interleaved

Saturation mode	Standard
Special sat.	None

System

Save uncombined	0
Scan at current TP	1
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Head 3T / HE	1

Shim mode	Tune up
Confirm freq. adjustment	0
Assume Silicone	0
Ref. amplitude [1H]	160.609 [V]
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0 [deg]
R >> L	350 [mm]
A >> P	263 [mm]
F >> H	350 [mm]

Physio

1st Signal/Mode	None
Segments	1

Dark blood	0

Inline

Subtract	0
Std-Dev-Sag	0
Std-Dev-Cor	0
Std-Dev-Tra	0
Std-Dev-Time	0
MIP-Sag	0
MIP-Cor	0
MIP-Tra	0
MIP-Time	0
Save original images	1

Sequence

Introduction	1
Dimension	2D
Phase stabilisation	0
Averaging mode	Short term
Asymmetric echo	Off
Contrasts	1
Bandwidth	260 [Hz/Px]
Flow comp.	No

RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	1

SIEMENS MAGNETOM Allegra syngo MR 2004A

\\USER\ICBM\PRODUCTION\ICBM3\Matched Bandwidth Hi-Res

Scan Time: 1:30 Voxel size: 2.0x2.0x2.0 [mm] Rel. SNR: 1.00 SIEMENS: ep_seg_se

Routine

Slice group 1	
Slices	54
Dist. factor	50 [%]
Position	R1.4 P6.1 H6.8 [mm]
Orientation	T > C-7.0
Phase enc. dir.	A >> P
Rotation	0 [deg]
Phase oversampling	0 [%]
FoV read	256 [mm]
FoV phase	100.0 [%]
Slice thickness	2 [mm]
TR	5000 [ms]
TE	33 [ms]
Averages	4
Concatenations	1
Filter	None
Coil elements	HE

R >> L	256 [mm]
A >> P	256 [mm]
F >> H	161 [mm]

Physio

1st Signal/Mode	None
Resp. control	Off

Sequence

Introduction	0
Dimension	2D
Averaging mode	Long term
Bandwidth	1302 [Hz/Px]
Free echo spacing	0
Echo spacing	0.85 [ms]
EPI factor	33
RF pulse type	Normal
Gradient mode	Fast

Contrast

MTC	0
Magn. preparation	None
Flip angle	90 [deg]
Reconstruction	Magnitude
Fat suppr.	Fat sat.
Measurements	1

Resolution

Base resolution	128
Phase resolution	100 [%]
Phase partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Large FoV	Off
Filter 3	
Normalize	Off
Filter 4	
Elliptical filter	Off
Interpolation	0

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None

System

Save uncombined	0
Scan at current TP	0
Scan region position	H
Scan region position	0 [mm]
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Head 3T / HE	1
Shim mode	Standard
Confirm freq. adjustment	0
Assume Silicone	0
Ref. amplitude [1H]	160.609 [V]
Adjust volume	
Position	R1.4 P6.1 H6.8 [mm]
Orientation	T > C-7.0
Rotation	0 [deg]

SIEMENS MAGNETOM Allegra syngo MR 2004A

\\USER\ICBM\PRODUCTION\ICBM3\Handlmitation

Scan Time: 5:52 Voxel size: 2.0x2.0x2.0 [mm] Rel. SNR: 1.00 SIEMENS: ep2d_bold

Routine	1st Signal/Mode	None
Slice group 1		
Slices	54	
Dist. factor	50 [%]	
Position	R1.4 P6.1 H6.8 [mm]	
Orientation	T > C-7.0	
Phase enc. dir.	A >> P	
Rotation	0 [deg]	
Phase oversampling	0 [%]	
FoV read	256 [mm]	
FoV phase	100.0 [%]	
Slice thickness	2 [mm]	
TR	4000 [ms]	
TE	32 [ms]	
Averages	1	
Concatenations	1	
Filter	None	
Coil elements	HE	
Contrast		
MTC	0	
Flip angle	90 [deg]	
Reconstruction	Magnitude	
Fat suppr.	Fat sat.	
Measurements	87	
Delay in TR	0 [ms]	
Multiple series	0	
Resolution		
Base resolution	128	
Phase resolution	100 [%]	
Phase partial Fourier	Off	
Filter 1		
Raw filter	Off	
Interpolation	0	

PAT mode	None	
Geometry		
Multi-slice mode	Interleaved	
Series	Interleaved	

Special sat.	None	
System		
Scan at current TP	0	
Scan region position	H	
Scan region position	0 [mm]	
MSMA	S - C - T	
Sagittal	R >> L	
Coronal	A >> P	
Transversal	F >> H	
Head 3T / HE	1	

Shim mode	Standard	
Confirm freq. adjustment	0	
Assume Silicone	0	
Ref. amplitude [1H]	160.609 [V]	
Adjust volume		
Position	R1.4 P6.1 H6.8 [mm]	
Orientation	T > C-7.0	
Rotation	0 [deg]	
R >> L	256 [mm]	
A >> P	256 [mm]	
F >> H	161 [mm]	
Physio		

SIEMENS MAGNETOM Allegra syngo MR 2004A

\\USER\ICBM\PRODUCTION\ICBM3\AuditoryNaming

Scan Time: 5:52 Voxel size: 2.0x2.0x2.0 [mm] Rel. SNR: 1.00 SIEMENS: ep2d_bold

Routine	1st Signal/Mode	None
Slice group 1		
Slices	54	
Dist. factor	50 [%]	
Position	R1.4 P6.1 H6.8 [mm]	
Orientation	T > C-7.0	
Phase enc. dir.	A >> P	
Rotation	0 [deg]	
Phase oversampling	0 [%]	
FoV read	256 [mm]	
FoV phase	100.0 [%]	
Slice thickness	2 [mm]	
TR	4000 [ms]	
TE	32 [ms]	
Averages	1	
Concatenations	1	
Filter	None	
Coil elements	HE	
Contrast		
MTC	0	
Flip angle	90 [deg]	
Reconstruction	Magnitude	
Fat suppr.	Fat sat.	
Measurements	87	
Delay in TR	0 [ms]	
Multiple series	0	
Resolution		
Base resolution	128	
Phase resolution	100 [%]	
Phase partial Fourier	Off	
Filter 1		
Raw filter	Off	
Interpolation	0	

PAT mode	None	
Geometry		
Multi-slice mode	Interleaved	
Series	Interleaved	

Special sat.	None	
System		
Scan at current TP	0	
Scan region position	H	
Scan region position	0 [mm]	
MSMA	S - C - T	
Sagittal	R >> L	
Coronal	A >> P	
Transversal	F >> H	
Head 3T / HE	1	

Shim mode	Standard	
Confirm freq. adjustment	0	
Assume Silicone	0	
Ref. amplitude [1H]	160.609 [V]	
Adjust volume		
Position	R1.4 P6.1 H6.8 [mm]	
Orientation	T > C-7.0	
Rotation	0 [deg]	
R >> L	256 [mm]	
A >> P	256 [mm]	
F >> H	161 [mm]	
Physio		

SIEMENS MAGNETOM Allegra syngo MR 2004A

\\USER\ICBM\PRODUCTION\ICBM3\VerbGeneration

Scan Time: 5:52 Voxel size: 2.0x2.0x2.0 [mm] Rel. SNR: 1.00 SIEMENS: ep2d_bold

Routine	1st Signal/Mode	None
Slice group 1		
Slices	54	
Dist. factor	50 [%]	
Position	R1.4 P6.1 H6.8 [mm]	
Orientation	T > C-7.0	
Phase enc. dir.	A >> P	
Rotation	0 [deg]	
Phase oversampling	0 [%]	
FoV read	256 [mm]	
FoV phase	100.0 [%]	
Slice thickness	2 [mm]	
TR	4000 [ms]	
TE	32 [ms]	
Averages	1	
Concatenations	1	
Filter	None	
Coil elements	HE	
Contrast		
MTC	0	
Flip angle	90 [deg]	
Reconstruction	Magnitude	
Fat suppr.	Fat sat.	
Measurements	87	
Delay in TR	0 [ms]	
Multiple series	0	
Resolution		
Base resolution	128	
Phase resolution	100 [%]	
Phase partial Fourier	Off	
Filter 1		
Raw filter	Off	
Interpolation	0	

PAT mode	None	
Geometry		
Multi-slice mode	Interleaved	
Series	Interleaved	

Special sat.	None	
System		
Scan at current TP	0	
Scan region position	H	
Scan region position	0 [mm]	
MSMA	S - C - T	
Sagittal	R >> L	
Coronal	A >> P	
Transversal	F >> H	
Head 3T / HE	1	

Shim mode	Standard	
Confirm freq. adjustment	0	
Assume Silicone	0	
Ref. amplitude [1H]	160.609 [V]	
Adjust volume		
Position	R1.4 P6.1 H6.8 [mm]	
Orientation	T > C-7.0	
Rotation	0 [deg]	
R >> L	256 [mm]	
A >> P	256 [mm]	
F >> H	161 [mm]	
Physio		

SIEMENS MAGNETOM Allegra syngo MR 2004A

\\USER\ICBM\PRODUCTION\ICBM3\ExternalOrder

Scan Time: 5:52 Voxel size: 2.0x2.0x2.0 [mm] Rel. SNR: 1.00 SIEMENS: ep2d_bold

Routine	1st Signal/Mode	None
Slice group 1		
Slices	54	
Dist. factor	50 [%]	
Position	R1.4 P6.1 H6.8 [mm]	
Orientation	T > C-7.0	
Phase enc. dir.	A >> P	
Rotation	0 [deg]	
Phase oversampling	0 [%]	
FoV read	256 [mm]	
FoV phase	100.0 [%]	
Slice thickness	2 [mm]	
TR	4000 [ms]	
TE	32 [ms]	
Averages	1	
Concatenations	1	
Filter	None	
Coil elements	HE	
Contrast		
MTC	0	
Flip angle	90 [deg]	
Reconstruction	Magnitude	
Fat suppr.	Fat sat.	
Measurements	87	
Delay in TR	0 [ms]	
Multiple series	0	
Resolution		
Base resolution	128	
Phase resolution	100 [%]	
Phase partial Fourier	Off	
Filter 1		
Raw filter	Off	
Interpolation	0	

PAT mode	None	
Geometry		
Multi-slice mode	Interleaved	
Series	Interleaved	

Special sat.	None	
System		
Scan at current TP	0	
Scan region position	H	
Scan region position	0 [mm]	
MSMA	S - C - T	
Sagittal	R >> L	
Coronal	A >> P	
Transversal	F >> H	
Head 3T / HE	1	

Shim mode	Standard	
Confirm freq. adjustment	0	
Assume Silicone	0	
Ref. amplitude [1H]	160.609 [V]	
Adjust volume		
Position	R1.4 P6.1 H6.8 [mm]	
Orientation	T > C-7.0	
Rotation	0 [deg]	
R >> L	256 [mm]	
A >> P	256 [mm]	
F >> H	161 [mm]	
Physio		

SIEMENS MAGNETOM Allegra syngo MR 2004A

\\USER\ICBM\PRODUCTION\ICBM3\Oculomotor

Scan Time: 5:52 Voxel size: 2.0x2.0x2.0 [mm] Rel. SNR: 1.00 SIEMENS: ep2d_bold

Routine	1st Signal/Mode	None
Slice group 1		
Slices	54	
Dist. factor	50 [%]	
Position	R1.4 P6.1 H6.8 [mm]	
Orientation	T > C-7.0	
Phase enc. dir.	A >> P	
Rotation	0 [deg]	
Phase oversampling	0 [%]	
FoV read	256 [mm]	
FoV phase	100.0 [%]	
Slice thickness	2 [mm]	
TR	4000 [ms]	
TE	32 [ms]	
Averages	1	
Concatenations	1	
Filter	None	
Coil elements	HE	
Contrast		
MTC	0	
Flip angle	90 [deg]	
Reconstruction	Magnitude	
Fat suppr.	Fat sat.	
Measurements	87	
Delay in TR	0 [ms]	
Multiple series	0	
Resolution		
Base resolution	128	
Phase resolution	100 [%]	
Phase partial Fourier	Off	
Filter 1		
Raw filter	Off	
Interpolation	0	

PAT mode	None	
Geometry		
Multi-slice mode	Interleaved	
Series	Interleaved	

Special sat.	None	
System		
Scan at current TP	0	
Scan region position	H	
Scan region position	0 [mm]	
MSMA	S - C - T	
Sagittal	R >> L	
Coronal	A >> P	
Transversal	F >> H	
Head 3T / HE	1	

Shim mode	Standard	
Confirm freq. adjustment	0	
Assume Silicone	0	
Ref. amplitude [1H]	160.609 [V]	
Adjust volume		
Position	R1.4 P6.1 H6.8 [mm]	
Orientation	T > C-7.0	
Rotation	0 [deg]	
R >> L	256 [mm]	
A >> P	256 [mm]	
F >> H	161 [mm]	
Physio		

SIEMENS MAGNETOM Allegra syngo MR 2004A

\\USER\ICBM\PRODUCTION\ICBM3\gre_field_map_MGHparams

Scan Time: 4:20 Voxel size: 2.0x2.0x2.0 [mm] Rel. SNR: 1.00 SIEMENS: gre_field_mapping

Routine

Slice group 1	
Slices	54
Dist. factor	50 [%]
Position	R1.4 P6.1 H6.8 [mm]
Orientation	T > C-7.0
Phase enc. dir.	A >> P
Rotation	0 [deg]
Phase oversampling	0 [%]
FoV read	256 [mm]
FoV phase	100.0 [%]
Slice thickness	2 [mm]
TR	1000 [ms]
TE[1]	5.53 [ms]
TE[2]	7.99 [ms]
Averages	1
Concatenations	1
Filter	None
Coil elements	HE

A >> P 256 [mm]
F >> H 161 [mm]

Sequence

Introduction	1
Dimension	2D
Averaging mode	Short term
Asymmetric echo	Off
Contrasts	2
Bandwidth	1302 [Hz/Px]
Flow comp.	Yes

RF pulse type	Normal
Gradient mode	Fast
RF spoiling	1

Contrast

MTC	0
Flip angle	55 [deg]
Reconstruction	Magn./Phase
Fat suppr.	None
Measurements	1

Resolution

Base resolution	128
Phase resolution	100 [%]
Phase partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Large FoV	Off
Filter 3	
Normalize	Off
Filter 4	
Elliptical filter	Off
Interpolation	0

Geometry

Multi-slice mode	Interleaved
Series	Interleaved

Special sat.	None

System

Save uncombined	0
Scan at current TP	0
Scan region position	H
Scan region position	0 [mm]
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Head 3T / HE	1

Shim mode	Standard
Confirm freq. adjustment	0
Assume Silicone	0
Ref. amplitude [1H]	160.609 [V]
Adjust volume	
Position	R1.4 P6.1 H6.8 [mm]
Orientation	T > C-7.0
Rotation	0 [deg]
R >> L	256 [mm]

SIEMENS MAGNETOM Allegra syngo MR 2004A

\\USER\ICBM\PRODUCTION\ICBM3\tof_fi3d_tra-Multislab

Scan Time: 27:41 Voxel size: 0.6x0.6x0.6 [mm] Rel. SNR: 1.00 SIEMENS: fl_tof

Routine

Slab group 1	
Slabs	2
Dist. factor	-44.17 [%]
Position	L4.9 P3.5 H1.6 [mm]
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90 [deg]
Phase oversampling	0 [%]
Slice oversampling	0 [%]
Slices per slab	120
FoV read	198 [mm]
FoV phase	90.0 [%]
Slice thickness	0.62 [mm]
TR	24 [ms]
TE	4.3 [ms]
Averages	1
Concatenations	2
Filter	None
Coil elements	HE

Contrast

TD	0 [ms]
MTC	0
Flip angle	18 [deg]
Reconstruction	Magnitude
Fat suppr.	Water excit. normal
Water suppr.	None
Measurements	1

Resolution

Base resolution	320
Phase resolution	100 [%]
Slice resolution	100 [%]
Phase partial Fourier	Off
Slice partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Large FoV	Off
Filter 3	
Normalize	Off
Filter 4	
Elliptical filter	Off
Interpolation	0

PAT mode	None

Geometry

Multi-slice mode	Sequential
Series	Descending

Special sat.	None

System

Save uncombined	0
Scan at current TP	0
Scan region position	H
Scan region position	0 [mm]
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Head 3T / HE	1

Shim mode	Standard
Confirm freq. adjustment	0

Assume Silicone	0
Ref. amplitude [1H]	160.609 [V]
Adjust volume	
Position	L4.9 P3.5 H1.6 [mm]
Orientation	Transversal
Rotation	90 [deg]
A >> P	198 [mm]
R >> L	179 [mm]
F >> H	116 [mm]

Physio

1st Signal/Mode	None

Dark blood	0

Angio

Inflow	Slow
Flow direction	F >> H

Subtract	0
Std-Dev-Sag	0
Std-Dev-Cor	0
Std-Dev-Tra	0
Std-Dev-Time	0
MIP-Sag	1
MIP-Cor	1
MIP-Tra	1
MIP-Time	0
Save original images	1

Sequence

Introduction	1
Dimension	3D
Elliptical scanning	0
Averaging mode	Short term
Asymmetric echo	Allowed
Contrasts	1
Bandwidth	86 [Hz/Px]
Flow comp.	Yes

Gradient mode	Fast*
RF spoiling	1

Table of contents

\\USER

ICBM

PRODUCTION

ICBM3

circle_localizer

Matched Bandwidth Hi-Res

HandImitation

AuditoryNaming

VerbGeneration

ExternalOrder

Oculomotor

gre_field_map_MGHparams

tof_fi3d_tra-Multislab