

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\32 Channel Localizer
TA:0:13 PAT:Off Voxel size:0.5×0.5×7.0 mm Rel. SNR:1.00 :fl

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	3
Slices	1
Dist. factor	20 %
Position	L0.0 A20.0 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	7.0 mm
TR	8.6 ms
TE	4.00 ms
Averages	2
Concatenations	3
Filter	Prescan Normalize, Elliptical filter
Coil elements	HEA;HEP

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	20 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	90 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Image Filter	Off
Distortion Corr.	Off
TD	0 ms
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Nr. of slice groups	3
Slices	1
Dist. factor	20 %
Position	L0.0 A20.0 H0.0 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	Default
B0 Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm
Frequency 1H	123.224266 MHz
Correction factor	1
SRFExcit 1H	44.396 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Segments	1
Magn. preparation	None
Dark blood	Off
Resp. control	Off

Inline

Distortion correction	Off
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Sequence

Introduction	On
Dimension	2D
Averaging mode	Short term
Multi-slice mode	Sequential
Asymmetric echo	Allowed
Contrasts	1
Bandwidth	320 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

BOLD

Subtract	Off
Liver registration	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	Off
Contrasts	1
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\CBU_MPRAGE_32chn
 TA:4:32 PAT:2 Voxel size:1.0×1.0×1.0 mm Rel. SNR:1.00 :tfl

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	R0.7 A25.3 F9.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
Slice oversampling	25.0 %
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	2250.0 ms
TE	3.02 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

Magn. preparation	Non-sel. IR
TI	900 ms
Flip angle	9 deg
Fat suppr.	None
Water suppr.	None
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	96 %
Phase partial Fourier	7/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	Off
Accel. factor 3D	1
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
Slice resolution	100 %
Slice partial Fourier	Off

Geometry

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	R0.7 A25.3 F9.1 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	25.0 %
Slices per slab	192
Multi-slice mode	Single shot
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	Head > Brain
Coil Select Mode	Off - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	R0.7 A25.3 F9.1 mm
Rotation	0.00 deg
F >> H	256 mm
A >> P	256 mm
R >> L	192 mm
Frequency 1H	123.224266 MHz
Correction factor	1
SLoopIRns1 1H	419.481 V
Gain	Low
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Magn. preparation	Non-sel. IR
TI	900 ms
Dark blood	Off
Resp. control	Off

Inline

Distortion correction	Off
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Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Averaging mode	Long term
Multi-slice mode	Single shot
Reordering	Linear
Asymmetric echo	Off
Bandwidth	230 Hz/Px
Flow comp.	No
Echo spacing	7.1 ms
Turbo factor	240
RF pulse type	Fast
Gradient mode	Fast*
Excitation	Non-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

BOLD

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	Off
Save original images	On

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\CBU_TSE 32chn
 TA:1:38 PAT:2 Voxel size:0.7×0.7×4.0 mm Rel. SNR:1.00 :tse

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	On
Start measurements	single

Routine

Nr. of slice groups	1
Slices	29
Dist. factor	30 %
Position	R0.1 A6.7 F59.2 mm
Orientation	T > C-14.9 > S-0.1
Phase enc. dir.	R >> L
AutoAlign	Head > Brain
Phase oversampling	37 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	5060.0 ms
TE	102.0 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize, Elliptical filter
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	140 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	30
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Nr. of slice groups	1
Slices	29
Dist. factor	30 %
Position	R0.1 A6.7 F59.2 mm
Phase enc. dir.	R >> L
Phase oversampling	37 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Special sat.	None
Table position	P
Restore magn.	Off

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	Head > Brain
Coil Select Mode	Default
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	R0.1 A6.7 F59.2 mm
Rotation	89.15 deg
A >> P	220 mm
R >> L	220 mm
F >> H	150 mm
Frequency 1H	123.224266 MHz
Correction factor	1
Excit 1H	129.370 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Magn. preparation	None
Dark blood	Off
Trajectory	Cartesian
Resp. control	Off

Inline

Distortion correction	Off
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Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Reduce Motion Sens.	Off
Contrasts	1
Bandwidth	191 Hz/Px
Flow comp.	No
Allowed delay	60 s
Echo spacing	12.7 ms
Define	Turbo factor
Turbo factor	13
Echo trains per slice	18
RF pulse type	Normal
Gradient mode	Normal
Hyperecho	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

BOLD

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	Off
Contrasts	1
Save original images	On

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\al_B1mapping_v2d
TA:3:00 PAT:4 Voxel size:4.0×4.0×4.0 mm Rel. SNR:1.00 :B1v2d

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slab groups	1
Slabs	1
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	0.0 %
FoV read	256 mm
FoV phase	75.0 %
Slice thickness	4.0 mm
TR	500.0 ms
TE 1	39.1 ms
Concatenations	1
Filter	None
Coil elements	HEA;HEP

Contrast

Fat suppr.	Fat sat.
Measurements	11
Pause after meas. 1	0.000 s
Reconstruction	Magnitude

Resolution

Base resolution	64
Phase resolution	100 %
Phase partial Fourier	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	48
Reference scan mode	Separate
Image Filter	Off
Distortion Corr.	Off
Accel. factor 3D	2
Ref. lines 3D	48
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
Slice resolution	100 %

Geometry

Nr. of slab groups	1
Slabs	1
Position	Isocenter
Phase enc. dir.	R >> L
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	48
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	90.00 deg
A >> P	256 mm
R >> L	192 mm
F >> H	192 mm
Frequency 1H	123.224266 MHz
Correction factor	1
Exc_1 1H	334.577 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

Inline

Distortion correction	Off
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Sequence

Dimension	3D
Contrasts	2
Bandwidth	2298 Hz/Px
RF spoiling	Off
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

BOLD

Distortion Corr.	Off
Contrasts	2

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\gre_field_mapping_1acq_rl
 TA:2:14 Voxel size:3.0×3.0×2.0 mm Rel. SNR:1.00 :fm_r

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	1
Slices	64
Dist. factor	50 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	1020.0 ms
TE 1	10.00 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	HEA;HEP

Contrast

MTC	Off
Flip angle	90 deg
Fat suppr.	None
Averaging mode	Long term
Measurements	1
Reconstruction	Magn./Phase
Multiple series	Off

Resolution

Base resolution	64
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	64
Dist. factor	50 %
Position	Isocenter
Phase enc. dir.	R >> L
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Descending
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Special sat.	None
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
! Position	Isocenter
! Rotation	90.00 deg
! A >> P	256 mm
! R >> L	192 mm
! F >> H	192 mm
Frequency 1H	123.224266 MHz
Correction factor	1
01GreFCE 1H	199.781 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

Inline

Distortion correction	Off
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Sequence

Introduction	On
Dimension	2D
Averaging mode	Long term
Multi-slice mode	Interleaved
Asymmetric echo	Off
Contrasts	2
Bandwidth	260 Hz/Px
Flow comp.	Yes
RF pulse type	Normal
Gradient mode	Fast
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

BOLD

Distortion Corr.	Off
Contrasts	2

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\pd_al_mtflash3d_v2l_1mm
 TA:6:46 PAT:2 Voxel size:1.0×1.0×1.0 mm Rel. SNR:1.00 :fl3d_2l

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	On
Start measurements	single

Routine

Nr. of slab groups	1
Slabs	1
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Slice oversampling	0.0 %
FoV read	256 mm
FoV phase	93.8 %
Slice thickness	1.00 mm
TR	23.64 ms
TE 1	2.31 ms
Concatenations	1
Filter	None
Coil elements	HEA;HEP

Contrast

MTC	Off
Flip angle	6 deg
Reconstruction	Magn./Phase

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	18
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	Off
Accel. factor 3D	1
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
Slice resolution	100 %
Slice partial Fourier	6/8

Geometry

Nr. of slab groups	1
Slabs	1
Position	Isocenter
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	176
Nr. of sat. regions	0
Position mode	L-P-H
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
F >> H	256 mm
A >> P	240 mm
R >> L	176 mm
Frequency 1H	123.224266 MHz
Correction factor	1
s121RF 1H	560.000 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio**Inline**

Distortion correction	Off
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Sequence

Dimension	3D
Contrasts	8
Bandwidth	465 Hz/Px
Gradient mode	Fast
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

BOLD

Distortion Corr.	Off
Contrasts	8

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\t1_al_mtflash3d_v2l_1mm TA:5:29 PAT:2 Voxel size:1.0×1.0×1.0 mm Rel. SNR:1.00 :fl3d_2l
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Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	On
Start measurements	single

Routine

Nr. of slab groups	1
Slabs	1
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Slice oversampling	0.0 %
FoV read	256 mm
FoV phase	93.8 %
Slice thickness	1.00 mm
TR	19.17 ms
TE 1	2.31 ms
Concatenations	1
Filter	None
Coil elements	HEA;HEP

Contrast

MTC	Off
Flip angle	21 deg
Reconstruction	Magn./Phase

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	18
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	Off
Accel. factor 3D	1
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
Slice resolution	100 %
Slice partial Fourier	6/8

Geometry

Nr. of slab groups	1
Slabs	1
Position	Isocenter
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	176
Nr. of sat. regions	0
Position mode	L-P-H
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
F >> H	256 mm
A >> P	240 mm
R >> L	176 mm
Frequency 1H	123.224266 MHz
Correction factor	1
s121RF 1H	560.000 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio**Inline**

Distortion correction	Off
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Sequence

Dimension	3D
Contrasts	6
Bandwidth	465 Hz/Px
Gradient mode	Fast
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

BOLD

Distortion Corr.	Off
Contrasts	6

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\mt_al_mtflash3d_v2l_1mm TA:6:46 PAT:2 Voxel size:1.0×1.0×1.0 mm Rel. SNR:1.00 :fl3d_2l
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Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	On
Start measurements	single

Routine

Nr. of slab groups	1
Slabs	1
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Slice oversampling	0.0 %
FoV read	256 mm
FoV phase	93.8 %
Slice thickness	1.00 mm
TR	23.64 ms
TE 1	2.31 ms
Concatenations	1
Filter	None
Coil elements	HEA;HEP

Contrast

MTC	On
Flip angle	6 deg
Reconstruction	Magn./Phase

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	18
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	Off
Accel. factor 3D	1
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
Slice resolution	100 %
Slice partial Fourier	6/8

Geometry

Nr. of slab groups	1
Slabs	1
Position	Isocenter
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	176
Nr. of sat. regions	0
Position mode	L-P-H
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
F >> H	256 mm
A >> P	240 mm
R >> L	176 mm
Frequency 1H	123.224266 MHz
Correction factor	1
s121RF 1H	560.000 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio**Inline**

Distortion correction	Off
-----------------------	-----

Sequence

Dimension	3D
Contrasts	6
Bandwidth	465 Hz/Px
Gradient mode	Fast
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

BOLD

Distortion Corr.	Off
Contrasts	6

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\CBU_mbep2d_2mm_AP_MB4_98dir_b300_b1000_b2000 TA:4:13 PAT:Off Voxel size:2.0x2.0x2.0 mm Rel. SNR:1.00 :epse
--

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	On
Start measurements	single

Routine

Nr. of slice groups	1
Slices	68
Dist. factor	0 %
Position	R0.1 A6.7 F59.2 mm
Orientation	T > C-14.9 > S-0.1
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.00 mm
TR	2300 ms
TE	88.20 ms
Multi-band accel. factor	4
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	80 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Enabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	96
Phase resolution	96 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off
Dynamic Field Corr.	Off

Geometry

Nr. of slice groups	1
Slices	68
Dist. factor	0 %
Position	R0.1 A6.7 F59.2 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Enabled
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
B0 Shim mode	Brain
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	R0.1 A6.7 F59.2 mm
Rotation	-0.85 deg
R >> L	192 mm
A >> P	192 mm
F >> H	136 mm
Frequency 1H	123.224266 MHz
Correction factor	1
AddCSaCSatNS 1H	69.023 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Magn. preparation	None
Resp. control	Off

Inline

Distortion correction	Off
-----------------------	-----

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	1796 Hz/Px
Free echo spacing	Off
Echo spacing	0.66 ms
EPI factor	92
Gradient mode	Performance
Excitation	Standard
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

BOLD

Delay in TR	0 ms
Diffusion mode	Free
Diff. weightings	2
b-value 1	0 s/mm ²
Diff. weighted images	On
Trace weighted images	Off
ADC maps	Off
FA maps	Off
Mosaic	On
Tensor	Off
Distortion Corr.	Off
b-Value >=	0 s/mm ²
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	Off

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\CBU_mbep2d_2mm_PA_MB4_b0
 TA:0:16 PAT:Off Voxel size:2.0×2.0×2.0 mm Rel. SNR:1.00 :epse

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	1
Slices	68
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.00 mm
TR	2300 ms
TE	88.20 ms
Multi-band accel. factor	4
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	80 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Enabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	96
Phase resolution	96 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off
Dynamic Field Corr.	Off

Geometry

Nr. of slice groups	1
Slices	68
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Enabled
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - All
B0 Shim mode	Brain
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L0.0 A15.0 H30.0 mm
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	136 mm
Frequency 1H	123.224266 MHz
Correction factor	1
AddCSaCSatNS 1H	69.023 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Magn. preparation	None
Resp. control	Off

Inline

Distortion correction	Off
-----------------------	-----

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	1796 Hz/Px
Free echo spacing	Off
Echo spacing	0.66 ms
EPI factor	92
Gradient mode	Performance
Excitation	Standard
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

BOLD

Delay in TR	0 ms
Diffusion mode	Free
Diff. weightings	1
b-value	0 s/mm ²
Diff. weighted images	On
Trace weighted images	Off
ADC maps	Off
FA maps	Off
Mosaic	Off
Tensor	Off
Distortion Corr.	Off
b-Value >=	0 s/mm ²
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	Off

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\ep2d_tra_pasl
TA:3:52 PAT:Off Voxel size:4.0×4.0×8.0 mm Rel. SNR:1.00 :epfid

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	On
Start measurements	single

Routine

Nr. of slice groups	1
Slices	10
Dist. factor	25 %
Position	Isocenter
Orientation	T > C-30.0
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	8.0 mm
TR	2500 ms
TE	13.0 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

Flip angle	90 deg
Fat suppr.	Fat sat.
Fat sat. mode	Strong
Averaging mode	Long term
Measurements	91
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off
Perfusion mode	PICORE Q2T
Flow limit	100.0 cm/s
Bolus Duration	700 ms
Inversion Array Size	1

Resolution

Base resolution	64
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	10
Dist. factor	25 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Ascending
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	Parallel F
Gap	20.9 mm
Thickness	100 mm
Fat sat. mode	Strong
Special sat.	Parallel F
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	256 mm
A >> P	256 mm
F >> H	98 mm
Frequency 1H	123.224266 MHz
Correction factor	1
PasIFSCSatNS 1H	69.023 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
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Inline

Distortion correction	Off
-----------------------	-----

Sequence

Introduction	On
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	2232 Hz/Px
Free echo spacing	Off
Echo spacing	0.51 ms
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	On
Threshold	4.00
Paradigm size	4
Motion correction	On
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\t2_tse_cor_MCI
 TA:8:11 PAT:Off Voxel size:0.4×0.4×2.0 mm Rel. SNR:1.00 :tse

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	On
Start measurements	single

Routine

Nr. of slice groups	1
Slices	30
Dist. factor	0 %
Position	Isocenter
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	100 %
FoV read	175 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	8020.0 ms
TE	50.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	122 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

Resolution

Base resolution	448
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	None
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Nr. of slice groups	1
Slices	30
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	R >> L
Phase oversampling	100 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Special sat.	None
Table position	P
Restore magn.	Off

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
F >> H	175 mm
R >> L	175 mm
A >> P	60 mm
Frequency 1H	123.224266 MHz
Correction factor	1
VExcit 1H	296.900 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Magn. preparation	None
Dark blood	Off
Trajectory	Cartesian
Resp. control	Off

Inline

Distortion correction	Off
-----------------------	-----

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Reduce Motion Sens.	Off
Contrasts	1
Bandwidth	100 Hz/Px
Flow comp.	No
Allowed delay	180 s
Echo spacing	16.5 ms
Define	Turbo factor
Turbo factor	15
Echo trains per slice	60
RF pulse type	Fast
Gradient mode	Normal
Hyperecho	Off
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

BOLD

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Contrasts	1
Save original images	On

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\CBU_mbep2d_2mm_MB4_RS
 TA:8:43 PAT:Off Voxel size:2.0×2.0×2.0 mm Rel. SNR:1.00 :epfid

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	On
Start measurements	single

Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.00 mm
TR	1120 ms
TE	30.00 ms
Multi-band accel. factor	4
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	74 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	460
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	96
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - All
B0 Shim mode	Brain
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L0.0 A15.0 H30.0 mm
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	120 mm
Frequency 1H	123.224266 MHz
Correction factor	1
MBExc 1H	486.366 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Magn. preparation	None

Inline

Distortion correction	Off
-----------------------	-----

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2264 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.57 ms
EPI factor	96
Gradient mode	Performance
Excitation	Standard
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Legacy
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	Off
Threshold	4.00
Paradigm size	20
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\CBU_mbep2d_2mm_MB4_movie
 TA:8:13 PAT:Off Voxel size:2.0x2.0x2.0 mm Rel. SNR:1.00 :epfid

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	On
Start measurements	single

Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.00 mm
TR	1120 ms
TE	30.00 ms
Multi-band accel. factor	4
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	74 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	433
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	96
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - All
B0 Shim mode	Brain
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L0.0 A15.0 H30.0 mm
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	120 mm
Frequency 1H	123.224266 MHz
Correction factor	1
MBExc 1H	486.366 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Magn. preparation	None

Inline

Distortion correction	Off
-----------------------	-----

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2264 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.57 ms
EPI factor	96
Gradient mode	Performance
Excitation	Standard
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Legacy
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	Off
Threshold	4.00
Paradigm size	20
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\CBU_mbep2d_2mm_MB4_StopSignal
 TA:8:14 PAT:Off Voxel size:2.0x2.0x2.0 mm Rel. SNR:1.00 :epfid

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	On
Start measurements	single

Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.00 mm
TR	1120 ms
TE	30.00 ms
Multi-band accel. factor	4
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	74 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	434
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	96
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - All
B0 Shim mode	Brain
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L0.0 A15.0 H30.0 mm
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	120 mm
Frequency 1H	123.224266 MHz
Correction factor	1
MBExc 1H	486.366 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Magn. preparation	None

Inline

Distortion correction	Off
-----------------------	-----

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2264 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.57 ms
EPI factor	96
Gradient mode	Performance
Excitation	Standard
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Legacy
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	Off
Threshold	4.00
Paradigm size	20
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\CBU_mbep2d_2mm_MB4_StopSignal
 TA:8:22 PAT:Off Voxel size:2.0x2.0x2.0 mm Rel. SNR:1.00 :epfid

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	On
Start measurements	single

Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.00 mm
TR	1120 ms
TE	30.00 ms
Multi-band accel. factor	4
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	74 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	441
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	96
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - All
B0 Shim mode	Brain
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L0.0 A15.0 H30.0 mm
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	120 mm
Frequency 1H	123.224266 MHz
Correction factor	1
MBExc 1H	486.366 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Magn. preparation	None

Inline

Distortion correction	Off
-----------------------	-----

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2264 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.57 ms
EPI factor	96
Gradient mode	Performance
Excitation	Standard
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Legacy
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	Off
Threshold	4.00
Paradigm size	20
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

SIEMENS MAGNETOM Prisma_fit syngo MR D13D

\\USER\CBU\Neuroimaging\MR16008a\CBU_mbep2d_2mm_MB4_PA
 TA:0:13 PAT:Off Voxel size:2.0x2.0x2.0 mm Rel. SNR:1.00 :epfid

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.00 mm
TR	1120 ms
TE	30.00 ms
Multi-band accel. factor	4
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	74 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	5
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	96
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	L0.0 A15.0 H30.0 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	Off - All
B0 Shim mode	Brain
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L0.0 A15.0 H30.0 mm
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	120 mm
Frequency 1H	123.224266 MHz
Correction factor	1
MBExc 1H	486.366 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
Magn. preparation	None

Inline

Distortion correction	Off
-----------------------	-----

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2264 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.57 ms
EPI factor	96
Gradient mode	Performance
Excitation	Standard
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	Off
Threshold	4.00
Paradigm size	20
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

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\\USER

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