SIEMENS MAGNETOM Prisma syngo MR D13D

\\USER\Projekte\0214bw\all\AAHead_Scout
TA:0:14 PAT:3 Voxel size:1.6×1.6×1.6 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	On
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slab groups	1
Slabs	1
Dist. factor	20 %
Position	L0.0 P20.0 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	0.0 %
FoV read	260 mm
FoV phase	100.0 %
Slice thickness	1.6 mm
TR	3.15 ms
TE	1.37 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HC1-7
AutoAlign	Head

Contrast

Flip angle	8 deg
Averaging mode	Short term
Measurements	1
Reconstruction	Magnitude

Resolution

Base resolution	160
Phase resolution	100 %
Phase partial Fourier	6/8
PAT mode	GRAPPA
Accel. factor PE	3
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	69 %
Slice partial Fourier	6/8

Geometry

Nr. of slab groups	1
Slabs	1
Dist. factor	20 %
Position	L0.0 P20.0 H0.0 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	128
Multi-slice mode	Sequential
Series	Ascending
Nr. of sat. regions	0
Position mode	L-P-H
Special sat.	None
Table position	P

System

Body	Off
HC1	On
HC3	On
HC5	On
NC1	Off
HC2	On
HC4	On
HC6	On
HC7	On
NC2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
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
Coil Select Mode	Off - AutoCoilSelect
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	123.250036 MHz
Correction factor	1
SRFExcit 1H	40.741 V
Gain	Low
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

Inline

Distortion correction	Off

Sequence

Introduction	On
Dimension	3D
Averaging mode	Short term
Multi-slice mode	Sequential
Asymmetric echo	Weak
Contrasts	1
Bandwidth	540 Hz/Px
RF pulse type	Fast
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7
Acquisition duration	0 ms
Mode	Off

BOLD

Time to center	6.2 s
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

\\USER\Projekte\0214bw\all\ep2d_bold_883A_Weiskopf_prerun
TA:0:20 PAT:2 Voxel size:3.0×3.0×3.0 mm Rel. SNR:1.00 :ep883A

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	50
Dist. factor	0 %
Position	Isocenter
Orientation	T > C-30.0
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	13 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	2800 ms
TE	30.0 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HC1-7

Contrast

MTC	Off
Flip angle	90 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	4
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	64
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	50
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	13 %
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
HC1	On
HC3	On
HC5	On
NC1	Off
HC2	On
HC4	On
HC6	On
HC7	On
NC2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
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	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	Isocenter
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	150 mm

Frequency 1H	123.250036 MHz
Correction factor	1
SincRFPulse 1H	279.229 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	Resp./Trigger
Average cycle	3377 ± 955 ms
Acquisition window	2800 ms
Threshold	20 %
Trigger delay	0 ms
Resp. phase	Expiration

Inline

Distortion correction	Off

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	2298 Hz/Px
Free echo spacing	Off
Echo spacing	0.52 ms
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
Excitation	Standard
Physio recording	Continuous
Z-shim [mT/m*ms]	0.000
EPI PE direction	Standard
PLACE phase encoding	Constant
PLACE shift	0 ms
EPI Dist2D	Off
Prep scan time	0 ms
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7
Acquisition duration	0 ms

BOLD

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

SIEMENS MAGNETOM Prisma syngo MR D13D

\\USER\Projekte\0214bw\all\ep2d_bold_883A_Weiskopf_run1
TA:19:44 PAT:2 Voxel size:3.0×3.0×3.0 mm Rel. SNR:1.00 :ep883A

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	50
Dist. factor	0 %
Position	Isocenter
Orientation	T > C-30.0
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	13 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	2800 ms
TE	30.0 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HC1-7

Contrast

MTC	Off
Flip angle	90 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	420
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	64
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	50
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	13 %
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
HC1	On
HC3	On
HC5	On
NC1	Off
HC2	On
HC4	On
HC6	On
HC7	On
NC2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
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	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	Isocenter
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	150 mm

Frequency 1H	123.250036 MHz
Correction factor	1
SincRFPulse 1H	279.229 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	Resp./Trigger
Average cycle	3377 ± 955 ms
Acquisition window	4000 ms
Threshold	20 %
Trigger delay	0 ms
Resp. phase	Expiration

Inline

Distortion correction	Off

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	2298 Hz/Px
Free echo spacing	Off
Echo spacing	0.52 ms
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
Excitation	Standard
Physio recording	Continuous
Z-shim [mT/m*ms]	0.000
EPI PE direction	Standard
PLACE phase encoding	Constant
PLACE shift	0 ms
EPI Dist2D	Off
Prep scan time	0 ms
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7
Acquisition duration	0 ms

BOLD

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

SIEMENS MAGNETOM Prisma syngo MR D13D

\\USER\Projekte\0214bw\all\ep2d_bold_883A_Weiskopf_run2
TA:19:44 PAT:2 Voxel size:3.0×3.0×3.0 mm Rel. SNR:1.00 :ep883A

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	50
Dist. factor	0 %
Position	Isocenter
Orientation	T > C-30.0
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	13 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	2800 ms
TE	30.0 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HC1-7

Contrast

MTC	Off
Flip angle	90 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	420
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	64
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	50
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	13 %
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
HC1	On
HC3	On
HC5	On
NC1	Off
HC2	On
HC4	On
HC6	On
HC7	On
NC2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
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	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	Isocenter
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	150 mm

Frequency 1H	123.250036 MHz
Correction factor	1
SincRFPulse 1H	279.229 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	Resp./Trigger
Average cycle	3377 ± 955 ms
Acquisition window	4000 ms
Threshold	20 %
Trigger delay	0 ms
Resp. phase	Expiration

Inline

Distortion correction	Off

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	2298 Hz/Px
Free echo spacing	Off
Echo spacing	0.52 ms
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
Excitation	Standard
Physio recording	Continuous
Z-shim [mT/m*ms]	0.000
EPI PE direction	Standard
PLACE phase encoding	Constant
PLACE shift	0 ms
EPI Dist2D	Off
Prep scan time	0 ms
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7
Acquisition duration	0 ms

BOLD

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

SIEMENS MAGNETOM Prisma syngo MR D13D

\\USER\Projekte\0214bw\all\ep2d_bold_883A_Weiskopf_run3
TA:19:44 PAT:2 Voxel size:3.0×3.0×3.0 mm Rel. SNR:1.00 :ep883A

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	50
Dist. factor	0 %
Position	Isocenter
Orientation	T > C-30.0
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	13 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	2800 ms
TE	30.0 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HC1-7

Contrast

MTC	Off
Flip angle	90 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	420
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	64
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	50
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	13 %
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
HC1	On
HC3	On
HC5	On
NC1	Off
HC2	On
HC4	On
HC6	On
HC7	On
NC2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
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	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	Isocenter
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	150 mm

Frequency 1H	123.250036 MHz
Correction factor	1
SincRFPulse 1H	279.229 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	Resp./Trigger
Average cycle	3377 ± 955 ms
Acquisition window	4000 ms
Threshold	20 %
Trigger delay	0 ms
Resp. phase	Expiration

Inline

Distortion correction	Off

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	2298 Hz/Px
Free echo spacing	Off
Echo spacing	0.52 ms
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
Excitation	Standard
Physio recording	Continuous
Z-shim [mT/m*ms]	0.000
EPI PE direction	Standard
PLACE phase encoding	Constant
PLACE shift	0 ms
EPI Dist2D	Off
Prep scan time	0 ms
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7
Acquisition duration	0 ms

BOLD

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

SIEMENS MAGNETOM Prisma syngo MR D13D

\\USER\Projekte\0214bw\all\gre_field_mapping
TA:3:12 Voxel size:2.3×2.3×2.8 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	45
Dist. factor	25 %
Position	Isocenter
Orientation	T > C-30.0
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	214 mm
FoV phase	100.0 %
Slice thickness	2.8 mm
TR	1000.0 ms
TE 1	10.00 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	HC1-7

Contrast

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

Resolution

Base resolution	94
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	45
Dist. factor	25 %
Position	Isocenter
Phase enc. dir.	A >> P
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
HC1	On
HC3	On
HC5	On
NC1	Off
HC2	On
HC4	On
HC6	On
HC7	On
NC2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
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	Isocenter
Rotation	0.00 deg
R >> L	214 mm
A >> P	214 mm

F >> H	157 mm
Frequency 1H	123.250036 MHz
Correction factor	1
01GreFCE 1H	196.213 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

Inline

Distortion correction	Off

Sequence

Introduction	On
Dimension	2D
Averaging mode	Short term
Multi-slice mode	Interleaved
Asymmetric echo	Off
Contrasts	2
Bandwidth	261 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	HC1-7
Acquisition duration	0 ms
Mode	Off

BOLD

Distortion Corr.	Off
Contrasts	2

SIEMENS MAGNETOM Prisma syngo MR D13D

\\USER\Projekte\0214bw\all\ep2d_bold_883A_Weiskopf_funcloc
TA:9:00 PAT:2 Voxel size:3.0×3.0×3.0 mm Rel. SNR:1.00 :ep883A

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	50
Dist. factor	0 %
Position	Isocenter
Orientation	T > C-30.0
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	13 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	2800 ms
TE	30.0 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HC1-7

Contrast

MTC	Off
Flip angle	90 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	190
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	64
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	50
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	13 %
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
HC1	On
HC3	On
HC5	On
NC1	Off
HC2	On
HC4	On
HC6	On
HC7	On
NC2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
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	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	Isocenter
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	150 mm

Frequency 1H	123.250036 MHz
Correction factor	1
SincRFPulse 1H	279.229 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	Resp./Trigger
Average cycle	3377 ± 955 ms
Acquisition window	2800 ms
Threshold	20 %
Trigger delay	0 ms
Resp. phase	Expiration

Inline

Distortion correction	Off

Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	2298 Hz/Px
Free echo spacing	Off
Echo spacing	0.52 ms
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
Excitation	Standard
Physio recording	Continuous
Z-shim [mT/m*ms]	0.000
EPI PE direction	Standard
PLACE phase encoding	Constant
PLACE shift	0 ms
EPI Dist2D	Off
Prep scan time	0 ms
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7
Acquisition duration	0 ms

BOLD

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

SIEMENS MAGNETOM Prisma syngo MR D13D

\\USER\Projekte\0214bw\all\gre_mtc
TA:1:44 PAT:Off Voxel size:1.0×1.0×2.0 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 slab groups	1
Slabs	1
Dist. factor	20 %
Position	L0.0 P2.6 F21.6 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	Head > Brain
Phase oversampling	0 %
Slice oversampling	0.0 %
FoV read	256 mm
FoV phase	75.0 %
Slice thickness	2.00 mm
TR	35.0 ms
TE	5.50 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	HC3-6

Contrast

MTC	On
Magn. preparation	None
Flip angle	10 deg
Fat suppr.	None
Water suppr.	None
Averaging mode	Short term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	Off
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	20 %
Position	L0.0 P2.6 F21.6 mm
Phase enc. dir.	R >> L
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	20
Multi-slice mode	Interleaved
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
HC1	Off
HC3	On
HC5	On
NC1	Off
HC2	Off
HC4	On
HC6	On
HC7	Off
NC2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
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	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	123.250036 MHz
Correction factor	1
greMSMSatNS 1H	158.020 V
Gain	Low
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

Sequence

Introduction	Off
Dimension	3D
Elliptical scanning	On
Averaging mode	Short term
Multi-slice mode	Interleaved
Asymmetric echo	Off
Contrasts	1
Bandwidth	140 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC3-6
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.	On
Mode	3D
Unfiltered images	Off
Contrasts	1
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off

SIEMENS MAGNETOM Prisma syngo MR D13D

\\USER\Projekte\0214bw\all\gre_ohne_mtc
TA:1:44 PAT:Off Voxel size:1.0×1.0×2.0 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 slab groups	1
Slabs	1
Dist. factor	20 %
Position	L0.0 P2.6 F21.6 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	Head > Brain
Phase oversampling	0 %
Slice oversampling	0.0 %
FoV read	256 mm
FoV phase	75.0 %
Slice thickness	2.00 mm
TR	35.0 ms
TE	5.50 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	HC3-7

Contrast

MTC	Off
Magn. preparation	None
Flip angle	10 deg
Fat suppr.	None
Water suppr.	None
Averaging mode	Short term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	Off
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	20 %
Position	L0.0 P2.6 F21.6 mm
Phase enc. dir.	R >> L
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	20
Multi-slice mode	Interleaved
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
HC1	Off
HC3	On
HC5	On
NC1	Off
HC2	Off
HC4	On
HC6	On
HC7	On
NC2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
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	Head > Brain
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	123.250036 MHz
Correction factor	1
SRFExcit 1H	77.672 V
Gain	Low
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

Sequence

Introduction	Off
Dimension	3D
Elliptical scanning	On
Averaging mode	Short term
Multi-slice mode	Interleaved
Asymmetric echo	Off
Contrasts	1
Bandwidth	140 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC3-7
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.	On
Mode	3D
Unfiltered images	Off
Contrasts	1
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off

SIEMENS MAGNETOM Prisma syngo MR D13D

\\USER\Projekte\0214bw\all\t1_mprage_sag_p3_iso
TA:4:29 PAT:3 Voxel size:0.9×0.9×0.9 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	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
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	80 %
Slice oversampling	18.2 %
FoV read	240 mm
FoV phase	100.0 %
Slice thickness	0.94 mm
TR	1580.0 ms
TE	2.30 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HC1-7

Contrast

Magn. preparation	Non-sel. IR
TI	900 ms
Flip angle	8 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	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
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	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	80 %
Slice oversampling	18.2 %
Slices per slab	176
Multi-slice mode	Single shot
Series	Ascending
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
HC1	On
HC3	On
HC5	On
NC1	Off
HC2	On
HC4	On
HC6	On
HC7	On
NC2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
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	Head > Basis
Coil Select Mode	Off - AutoCoilSelect
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	123.250036 MHz
Correction factor	1
SLoopIRns1 1H	411.991 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

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Averaging mode	Long term
Multi-slice mode	Single shot
Reordering	Linear
Asymmetric echo	Allowed
Bandwidth	200 Hz/Px
Flow comp.	No
Echo spacing	6.5 ms
Turbo factor	208
RF pulse type	Normal
Gradient mode	Performance
Excitation	Non-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7
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 syngo MR D13D

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