

SIEMENS MAGNETOM Skyra syngo MR D13

\\USER\CIND\StudyProtocols\PTSA*ep2d_M0Map_p2_TE15
TA:7.9 s PAT:2 Voxel size:2.5x2.5x3.0 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	On
Load images to graphic segments	On
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	1
Slices	36
Dist. factor	20 %
Position	L0.0 P2.7 H16.4 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	1590 ms
TE	15.0 ms
Averages	1
Concatenations	1
Filter	Raw filter
Coil elements	HE1-4

Contrast

MTC	Off
Flip angle	77 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	88
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	36
Dist. factor	20 %
Position	L0.0 P2.7 H16.4 mm
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.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P
Inline Composing	Off

System

Body	Off
HE1	On
HE3	On
NE1	Off
HE2	On
HE4	On
NE2	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
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - AutoCoilSelect
Shim mode	Advanced
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 P2.7 H16.4 mm
Rotation	0.00 deg
R >> L	220 mm
A >> P	220 mm
F >> H	129 mm
Frequency 1H	123.205716 MHz
Correction factor	1
SincRFPulse 1H	348.354 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
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Inline

Inline Composing	Off
Distortion correction	Off

Sequence

Introduction	On
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	1894 Hz/Px
Free echo spacing	Off
Echo spacing	0.61 ms
EPI factor	88
RF pulse type	Normal
Gradient mode	Fast
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HE1-4
Acquisition duration	0 ms

BOLD

GLM Statistics	Off
Dynamic t-maps	On
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	On
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off

SIEMENS MAGNETOM Skyra syngo MR D13

\\USER\CIND\StudyProtocols\PTSA*ep2d_pace_p2_TE27_TR2020
 TA:8:12 PAT:2 Voxel size:2.5×2.5×3.0 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	On
Load images to graphic segments	On
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	1
Slices	36
Dist. factor	20 %
Position	L0.0 P2.7 H16.4 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	2020 ms
TE	27.0 ms
Averages	1
Concatenations	1
Filter	Raw filter
Coil elements	HE1-4

Contrast

MTC	Off
Flip angle	77 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	240
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

Resolution

Base resolution	88
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	36
Dist. factor	20 %
Position	L0.0 P2.7 H16.4 mm
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.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P
Inline Composing	Off

System

Body	Off
HE1	On
HE3	On
NE1	Off
HE2	On
HE4	On
NE2	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
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - AutoCoilSelect
Shim mode	Advanced
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 P2.7 H16.4 mm
Rotation	0.00 deg
R >> L	220 mm
A >> P	220 mm
F >> H	129 mm
Frequency 1H	123.205716 MHz
Correction factor	1
SincRFPulse 1H	348.354 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

1st Signal/Mode	None
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Inline

Inline Composing	Off
Distortion correction	Off

Sequence

Introduction	On
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	1894 Hz/Px
Free echo spacing	Off
Echo spacing	0.61 ms
EPI factor	88
RF pulse type	Normal
Gradient mode	Fast
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HE1-4
Acquisition duration	0 ms

BOLD

GLM Statistics	Off
Dynamic t-maps	On
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	On
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off

SIEMENS MAGNETOM Skyra syngo MR D13

\\USER\CIND\StudyProtocols\PTSA*gre_field_mapping_NIFD
 TA:1:13 Voxel size:2.5×2.5×3.0 mm Rel. SNR:1.00 :fm_r

Properties

Prio Recon	Off
Load to viewer	Off
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 slice groups	1
Slices	36
Dist. factor	20 %
Position	L0.0 P2.7 H16.4 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	400.0 ms
TE 1	5.30 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HE1-4

Contrast

MTC	Off
Flip angle	60 deg
Fat suppr.	None
Averaging mode	Long term
Measurements	1
Reconstruction	Phase
Multiple series	Off

Resolution

Base resolution	88
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Image Filter	Off
Distortion Corr.	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	1
Slices	36
Dist. factor	20 %
Position	L0.0 P2.7 H16.4 mm
Phase enc. dir.	R >> L
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Special sat.	None
Special sat.	None
Table position	P
Inline Composing	Off

System

Body	Off
HE1	On
HE3	On
NE1	Off
HE2	On
HE4	On
NE2	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	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - AutoCoilSelect
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	L0.0 P2.7 H16.4 mm
Rotation	90.00 deg
A >> P	220 mm
R >> L	220 mm
F >> H	129 mm
Frequency 1H	123.205716 MHz
Correction factor	1
01GreFCE 1H	190.743 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

Physio

Inline

Inline Composing	Off
Distortion correction	Off

Sequence

Introduction	On
Dimension	2D
Averaging mode	Long term
Multi-slice mode	Interleaved
Asymmetric echo	Off
Contrasts	2
Bandwidth	291 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	HE1-4
Acquisition duration	0 ms
Mode	Off

BOLD

Distortion Corr.	Off
Contrasts	2