

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Studies\Michael_Hanke\TRANSREP_1_AA\AAHScout_32ch

TA: 0:17

PAT: 3

Voxel size: 1.6x1.6x1.6 mm

Rel. SNR: 1.00

SIEMENS: AALScout

Properties

Prio Recon	Off
Before measurement	
After measurement	
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
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	L0.0 A31.7 F34.4
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0 deg
AutoAlign	Head
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	128
FoV read	260 mm
FoV phase	100.0 %
Slice thickness	1.6 mm
TR	4.00 ms
TE	1.53 ms
Averages	1
Concatenations	1
Filter	B1 filter
Coil elements	A32

Contrast

Flip angle	16.0 deg
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1

Resolution

Base resolution	160
Phase resolution	100 %
Slice resolution	69 %
Phase partial Fourier	6/8
Slice partial Fourier	6/8
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	24
Accel. factor 3D	1
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Strong
Unfiltered images	Off
Raw filter	Off

Elliptical filter

Off

Geometry

Multi-slice mode	Sequential
Series	Ascending
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Off
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L0.0 A31.7 F34.4
Orientation	Sagittal
Rotation	0.00 deg
F >> H	260 mm
A >> P	260 mm
R >> L	205 mm

Inline

Time to center	7.4 s
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	3D
Asymmetric echo	Weak
Bandwidth	550 Hz/Px
RF pulse type	Fast
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On

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\\USER\Studies\Michael_Hanke\TRANSREP_1_AA\b1map_658

TA: 0:24

Voxel size: 3.9x3.9x5.0 mm

Rel. SNR: 1.00

USER: b1map_658

Properties

Prio Recon	Off
Before measurement	
After measurement	
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
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

AutoAlign	Head > Brain
Auto Coil Select	Default

Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Routine

Slice group 1	
Slices	1
Dist. factor	150 %
Position	R3.3 P10.3 H7.3
Orientation	T > C5.1 > S-3.4
Phase enc. dir.	A >> P
Rotation	1.08 deg
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	5 mm
TR	300 ms
TE 1	14 ms
TE 2	14 ms
Averages	1
Filter	None
Coil elements	A32

Composing

Sequence

Contrasts	2
Bandwidth	260.416667 Hz/Px
T1 Compensation	Mean T1
Mean T1	500.0 ms
Angles	1
Amplitude Weighting	Linear
Scale Bar	Enabled
Raw Data	Disabled

Contrast

Flip angle 1	90 deg
Flip angle 2	120 deg
Flip angle 3	60 deg
Flip angle 4	135 deg
Flip angle 5	45 deg
Measurements	1

Resolution

Base resolution	64
Phase resolution	100 %
Raw filter	Off

Geometry

Series	Interleaved
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Studies\Michael_Hanke\TRANSREP_1_AA\CV_shim_452B

TA: 1:38 PAT: Off Voxel size: 3.3x3.1x4.0 mm Rel. SNR: 1.00 USER: CV_shim_452B

Properties

Prio Recon	Off
Before measurement	
After measurement	
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
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	L1.3 P18.5 F21.1
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Auto	Off
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	64
FoV read	300 mm
FoV phase	100.0 %
Slice thickness	4.00 mm
TR	1500.00 ms
TE 1	2.04 ms
TE 2	6.08 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	A32

Contrast

Magn. preparation	None
Flip angle	15 deg
Fat suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	96
Phase resolution	96 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	None
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Raw filter	Off
Elliptical filter	Off
POCS	Off

Geometry

Multi-slice mode	Sequential
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	Head > Brain
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L1.3 P18.5 F21.1
Orientation	Transversal
Rotation	0.00 deg
R >> L	300 mm
A >> P	300 mm
F >> H	256 mm

Physio

1st Signal/Mode	None
Segments	92
Tagging	None
Dark blood	Off
Cine	Off
Inline ventricular function	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	Off
Dimension	3D

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Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Bandwidth 1	651 Hz/Px
Bandwidth 2	651 Hz/Px
Flow comp. 1	No
Flow comp. 2	No
Readout mode	Monopolar
Optimization	None
Allowed delay	0 s
Echo spacing	8.3 ms
Sequence type	Gre
<hr/>	
Define	Shots
Shots per slice	1
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	Constant
RF spoiling	On
Phase Enc. Rewinder	On

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\\USER\Studies\Michael_Hanke\TRANSREP_1_AA\mi_ep2d_flashref_psf_160_p3_1.4mm_7p8_36sl

TA: 1:39 PAT: 3 Voxel size: 1.4x1.4x1.4 mm Rel. SNR: 1.00 USER: mi_ep2d_flashref_psf

Properties

Prio Recon	Off
Before measurement	
After measurement	
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
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Slice group 1	
Slices	36
Dist. factor	10 %
Position	L1.3 P8.3 H5.3
Orientation	T > C-2.3 > S0.1
Phase enc. dir.	A >> P
Rotation	0.15 deg
Phase oversampling	0 %
FoV read	224 mm
FoV phase	100.0 %
Slice thickness	1.40 mm
TR	2000 ms
TE	22 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	A32

Contrast

MTC	Off
Magn. preparation	None
Flip angle	70 deg
Fat suppr.	Fat sat.
FatSat flip angle	60
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Delay in TR	0 ms

Resolution

Base resolution	160
Phase resolution	100 %
Phase partial Fourier	7/8
Part. Fourier algorithm	Standard
Sinc BW-time-prod.	5.2
Elongate RF-Pulse	1.00
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	48
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	FIX
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
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Repeated freq. adjust	On
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L1.3 P8.3 H5.3
Orientation	T > C-2.3 > S0.1
Rotation	0.15 deg
R >> L	224 mm
A >> P	224 mm
F >> H	56 mm

Physio

1st Signal/Mode	None
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Composing

Sequence

Introduction	Off
Asymmetric echo	Off
Bandwidth	1488 Hz/Px
Readout Type	Sinusoidal
Free echo spacing	Off
Echo spacing	0.78 ms
EPI factor	160
Gradient mode	Fast*
RF spoiling	On
PSF rFOV Factor	4
PSF Hanning Filter	Off
PSF Grappa Factor	1
PSF Grappa Ref Lines	8
PSF Wait for Recon	On
PSF Late Combination	Off
PSF Mode	Grad. Echo
PSF ICE Threads	4 (std)
Phase Corr Across Seg	On
PSF ICE Recon	Updated(MHI)
iPAT Reference Mode	FLASH
iPAT Ref. Bandwidth	200 Hz/Px

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iPAT Ref. TE	4.8 ms
iPAT Ref. flip angle	5 deg

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\\USER\Studies\Michael_Hanke\TRANSREP_1_AA\mi_ep2d_flashref_bold_160_iPat3_1.4mm_36sl_R1

TA: 15:24 PAT: 3 Voxel size: 1.4x1.4x1.4 mm Rel. SNR: 1.00 USER: mi_ep2d_flashref_bold

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	Off
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Slice group 1	
Slices	36
Dist. factor	10 %
Position	L1.3 P8.3 H5.3
Orientation	T > C-2.3 > S0.1
Phase enc. dir.	A >> P
Rotation	0.15 deg
Phase oversampling	0 %
FoV read	224 mm
FoV phase	100.0 %
Slice thickness	1.40 mm
TR	2000 ms
TE	22 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	A32

Contrast

MTC	Off
Magn. preparation	None
Flip angle	70 deg
Fat suppr.	Fat sat.
FatSat flip angle	60

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	451
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	160
Phase resolution	100 %
Phase partial Fourier	7/8
Part. Fourier algorithm	Standard
Sinc BW-time-prod.	5.2
Elongate RF-Pulse	1.00
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	48
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off

Hamming

Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	FIX
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
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Repeated freq. adjust	On
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L1.3 P8.3 H5.3
Orientation	T > C-2.3 > S0.1
Rotation	0.15 deg
R >> L	224 mm
A >> P	224 mm
F >> H	56 mm

Physio

1st Signal/Mode	None
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BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Starting ignore meas	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	Off
Threshold	4.00
Paradigm size	1
Meas	Baseline
Motion correction	On
Interpolation	3D-K-space
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Off
Bandwidth	1488 Hz/Px
Readout Type	Sinusoidal
Free echo spacing	Off
Echo spacing	0.78 ms
Manual Dummy Scans	4
EPI factor	160
RF pulse type	Normal

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Gradient mode	Fast*
RF spoiling	On
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Trigger Volumes to Skip	0
Volumes Per Trigger	1
Trigger Channel	Osc 1
Trigger Duration	50 us
Log Physiologic Data	Off
Phase Corr Across Seg	On
Trigger Mode	per Volume
PSF ICE Recon	Updated(MHI)
iPAT Reference Mode	FLASH
iPAT Ref. Bandwidth	200 Hz/Px
iPAT Ref. TE	4.8 ms
iPAT Ref. flip angle	5 deg

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\\USER\Studies\Michael_Hanke\TRANSREP_1_AA\mi_ep2d_flashref_bold_160_iPat3_1.4mm_36sl_R2

TA: 15:04 PAT: 3 Voxel size: 1.4x1.4x1.4 mm Rel. SNR: 1.00 USER: mi_ep2d_flashref_bold

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	Off
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Slice group 1	
Slices	36
Dist. factor	10 %
Position	L1.3 P8.3 H5.3
Orientation	T > C-2.3 > S0.1
Phase enc. dir.	A >> P
Rotation	0.15 deg
Phase oversampling	0 %
FoV read	224 mm
FoV phase	100.0 %
Slice thickness	1.40 mm
TR	2000 ms
TE	22 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	A32

Contrast

MTC	Off
Magn. preparation	None
Flip angle	70 deg
Fat suppr.	Fat sat.
FatSat flip angle	60
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	441
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	160
Phase resolution	100 %
Phase partial Fourier	7/8
Part. Fourier algorithm	Standard
Sinc BW-time-prod.	5.2
Elongate RF-Pulse	1.00
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	48
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off

Hamming

Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	FIX
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
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Repeated freq. adjust	On
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L1.3 P8.3 H5.3
Orientation	T > C-2.3 > S0.1
Rotation	0.15 deg
R >> L	224 mm
A >> P	224 mm
F >> H	56 mm

Physio

1st Signal/Mode	None
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BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Starting ignore meas	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	Off
Threshold	4.00
Paradigm size	1
Meas	Baseline
Motion correction	On
Interpolation	3D-K-space
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Off
Bandwidth	1488 Hz/Px
Readout Type	Sinusoidal
Free echo spacing	Off
Echo spacing	0.78 ms
Manual Dummy Scans	4
EPI factor	160
RF pulse type	Normal

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Gradient mode	Fast*
RF spoiling	On
<hr/>	
Trigger Volumes to Skip	0
Volumes Per Trigger	1
Trigger Channel	Osc 1
Trigger Duration	50 us
Log Physiologic Data	Off
Phase Corr Across Seg	On
Trigger Mode	per Volume
PSF ICE Recon	Updated(MHI)
iPAT Reference Mode	FLASH
iPAT Ref. Bandwidth	200 Hz/Px
iPAT Ref. TE	4.8 ms
iPAT Ref. flip angle	5 deg

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Studies\Michael_Hanke\TRANSREP_1_AA\mi_ep2d_flashref_bold_160_iPat3_1.4mm_36sl_R3

TA: 14:58 PAT: 3 Voxel size: 1.4x1.4x1.4 mm Rel. SNR: 1.00 USER: mi_ep2d_flashref_bold

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	Off
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Slice group 1	
Slices	36
Dist. factor	10 %
Position	L1.3 P8.3 H5.3
Orientation	T > C-2.3 > S0.1
Phase enc. dir.	A >> P
Rotation	0.15 deg
Phase oversampling	0 %
FoV read	224 mm
FoV phase	100.0 %
Slice thickness	1.40 mm
TR	2000 ms
TE	22 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	A32

Contrast

MTC	Off
Magn. preparation	None
Flip angle	70 deg
Fat suppr.	Fat sat.
FatSat flip angle	60

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	438
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	160
Phase resolution	100 %
Phase partial Fourier	7/8
Part. Fourier algorithm	Standard
Sinc BW-time-prod.	5.2
Elongate RF-Pulse	1.00
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	48
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off

Hamming

Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	FIX
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
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Repeated freq. adjust	On
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L1.3 P8.3 H5.3
Orientation	T > C-2.3 > S0.1
Rotation	0.15 deg
R >> L	224 mm
A >> P	224 mm
F >> H	56 mm

Physio

1st Signal/Mode	None
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BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Starting ignore meas	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	Off
Threshold	4.00
Paradigm size	1
Meas	Baseline
Motion correction	On
Interpolation	3D-K-space
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Off
Bandwidth	1488 Hz/Px
Readout Type	Sinusoidal
Free echo spacing	Off
Echo spacing	0.78 ms
Manual Dummy Scans	4
EPI factor	160
RF pulse type	Normal

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

Gradient mode	Fast*
RF spoiling	On
<hr/>	
Trigger Volumes to Skip	0
Volumes Per Trigger	1
Trigger Channel	Osc 1
Trigger Duration	50 us
Log Physiologic Data	Off
Phase Corr Across Seg	On
Trigger Mode	per Volume
PSF ICE Recon	Updated(MHI)
iPAT Reference Mode	FLASH
iPAT Ref. Bandwidth	200 Hz/Px
iPAT Ref. TE	4.8 ms
iPAT Ref. flip angle	5 deg

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Studies\Michael_Hanke\TRANSREP_1_AA\mi_ep2d_flashref_bold_160_iPat3_1.4mm_36sl_R4

TA: 16:38 PAT: 3 Voxel size: 1.4x1.4x1.4 mm Rel. SNR: 1.00 USER: mi_ep2d_flashref_bold

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	Off
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Slice group 1	
Slices	36
Dist. factor	10 %
Position	L1.3 P8.3 H5.3
Orientation	T > C-2.3 > S0.1
Phase enc. dir.	A >> P
Rotation	0.15 deg
Phase oversampling	0 %
FoV read	224 mm
FoV phase	100.0 %
Slice thickness	1.40 mm
TR	2000 ms
TE	22 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	A32

Contrast

MTC	Off
Magn. preparation	None
Flip angle	70 deg
Fat suppr.	Fat sat.
FatSat flip angle	60
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	488
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	160
Phase resolution	100 %
Phase partial Fourier	7/8
Part. Fourier algorithm	Standard
Sinc BW-time-prod.	5.2
Elongate RF-Pulse	1.00
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	48
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off

Hamming

Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	FIX
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
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Repeated freq. adjust	On
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L1.3 P8.3 H5.3
Orientation	T > C-2.3 > S0.1
Rotation	0.15 deg
R >> L	224 mm
A >> P	224 mm
F >> H	56 mm

Physio

1st Signal/Mode	None
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BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Starting ignore meas	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	Off
Threshold	4.00
Paradigm size	1
Meas	Baseline
Motion correction	On
Interpolation	3D-K-space
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Off
Bandwidth	1488 Hz/Px
Readout Type	Sinusoidal
Free echo spacing	Off
Echo spacing	0.78 ms
Manual Dummy Scans	4
EPI factor	160
RF pulse type	Normal

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

Gradient mode	Fast*
RF spoiling	On
<hr/>	
Trigger Volumes to Skip	0
Volumes Per Trigger	1
Trigger Channel	Osc 1
Trigger Duration	50 us
Log Physiologic Data	Off
Phase Corr Across Seg	On
Trigger Mode	per Volume
PSF ICE Recon	Updated(MHI)
iPAT Reference Mode	FLASH
iPAT Ref. Bandwidth	200 Hz/Px
iPAT Ref. TE	4.8 ms
iPAT Ref. flip angle	5 deg

Table of contents

\\USER

Studies

Michael_Hanke

TRANSREP_1_AA

AAHScout_32ch

b1map_658

CV_shim_452B

SetShim.bat + Physio starten Schichtlage nur prüfen!

mi_ep2d_flashref_psf_160_p3_1.4mm_7p8_36sl

mi_ep2d_flashref_bold_160_iPat3_1.4mm_36sl_R1

mi_ep2d_flashref_bold_160_iPat3_1.4mm_36sl_R2

mi_ep2d_flashref_bold_160_iPat3_1.4mm_36sl_R3

mi_ep2d_flashref_bold_160_iPat3_1.4mm_36sl_R4

run 5 462 Vol

run 6 439 Vol

run 7 542 Vol

run 8 338 Vol