

SIEMENS MAGNETOM TrioTim syngo MR B17

\USER\MGH\Morphometry\Morphometry_BWM_1mm_iso\localizer

TA: 0:13 PAT: Off Voxel size: 1.1x1.0x7.0 mm Rel. SNR: 1.00 SIEMENS: gre

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	Off
Wait for user to start	Off
Start measurements	single

Base resolution	256
Phase resolution	90 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
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

Routine

Slice group 1	
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 2	
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 3	
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
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
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	0 mm
Inline Composing	Off
Tim CT mode	Off

System

Body	Off
HEP	On
HEA	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	---
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
Physio	
1st Signal/Mode	None
Segments	1
Tagging	None
Dark blood	Off
Resp. control	Off

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Inline

Subtract	Off
Liver registration	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
<hr/>	
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
<hr/>	
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Bandwidth	320 Hz/Px
Flow comp.	No
Allowed delay	0 s
<hr/>	
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

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\USER\MGH\Morphometry\Morphometry_BWM_1mm_iso\AAScout

TA: 0:46

Voxel size: 3.3x2.5x2.5 mm

Rel. SNR: 1.00

SIEMENS: AAScout

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	Off
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	128
FoV read	320 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
TR	2.4 ms
TE	1.13 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	BC

Contrast

Fat suppr.	None
Water suppr.	None
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	2
Pause after meas. 1	0.0 s
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	75 %
Slice resolution	75 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Matrix Coil Mode	Auto (CP)
Prescan Normalize	Off
Normalize	Off

Geometry

Multi-slice mode	Sequential
Series	Ascending
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	0 mm

Inline Composing

Off

System

Body	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off

Positioning mode

REF
S - C - T
R >> L
A >> P
F >> H

Save uncombined

Adaptive Combine
Off

Shim mode

Tune up
On

Adjust with body coil

Off
0.000 V

Confirm freq. adjustment

Off
Auto

Assume Silicone

0.000 V
350 mm

Adjustment Tolerance

Isocenter
Transversal
0.00 deg
350 mm
263 mm
350 mm

Adjust volume

Position
Orientation
Rotation
R >> L
A >> P
F >> H

Isocenter
Transversal
0.00 deg
350 mm
263 mm
350 mm

Inline

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Phase stabilisation	Off
Asymmetric echo	Off
Bandwidth	1090 Hz/Px

Segments

1
Normal

Normal
Non-sel.

On
Off

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\USER\MGH\Morphometry\Morphometry_BWM_1mm_iso\MPRAGE_p2_1mm_iso

TA: 6:03 PAT: 2 Voxel size: 1.0x1.0x1.0 mm Rel. SNR: 1.00 USER: Andre\tfl_mgh_multiecho

Properties		Unfiltered images	Off
Prio Recon	Off	Prescan Normalize	On
Before measurement		Normalize	Off
After measurement		B1 filter	Off
Load to viewer	On	Raw filter	Off
Inline movie	Off	Elliptical filter	Off
Auto store images	On	Geometry	
Load to stamp segments	On	Multi-slice mode	Single shot
Load images to graphic segments	Off	Series	Interleaved
Auto open inline display	Off	Set-n-Go Protocol	Off
Start measurement without further preparation	On	Table position	H
Wait for user to start	Off	Table position	0 mm
Start measurements	single	Inline Composing	Off
Routine		System	
Slab group 1		Body	Off
Slabs	1	HEP	On
Dist. factor	50 %	HEA	On
Position	R3.0 A12.0 F18.0	Positioning mode	REF
Orientation	Sagittal	MSMA	S - C - T
Phase enc. dir.	A >> P	Sagittal	R >> L
Rotation	12.50 deg	Coronal	A >> P
Phase oversampling	0 %	Transversal	F >> H
Slice oversampling	0.0 %	Save uncombined	Off
Slices per slab	176	Coil Combine Mode	Adaptive Combine
FoV read	256 mm	AutoAlign	Head > Brain Atlas
FoV phase	100.0 %	Auto Coil Select	Default
Slice thickness	1.00 mm	Shim mode	Standard
TR	2530 ms	Adjust with body coil	Off
TE	3.42 ms	Confirm freq. adjustment	Off
Averages	1	Assume Silicone	Off
Concatenations	1	? Ref. amplitude 1H	0.000 V
Filter	Prescan Normalize	Adjustment Tolerance	Auto
Coil elements	HEA;HEP	Adjust volume	
Contrast		Position	R3.0 A12.0 F18.0
Magn. preparation	Non-sel. IR	Orientation	Sagittal
TI	1100 ms	Rotation	12.50 deg
Flip angle	7.0 deg	F >> H	256 mm
Fat suppr.	None	A >> P	256 mm
Water suppr.	None	R >> L	176 mm
Averaging mode	Long term	Physio	
Reconstruction	Magnitude	1st Signal/Mode	None
Measurements	1	Dark blood	Off
Multiple series	Each measurement	Inline	
Resolution		Subtract	Off
Base resolution	256	Std-Dev-Sag	Off
Phase resolution	100 %	Std-Dev-Cor	Off
Slice resolution	100 %	Std-Dev-Tra	Off
Phase partial Fourier	Off	Std-Dev-Time	Off
Slice partial Fourier	Off	MIP-Sag	Off
Interpolation	Off	MIP-Cor	Off
PAT mode	GRAPPA	MIP-Tra	Off
Accel. factor PE	2	MIP-Time	Off
Ref. lines PE	32	Save original images	On
Accel. factor 3D	1	Sequence	
Matrix Coil Mode	Auto (Triple)	Introduction	On
Reference scan mode	Integrated	Dimension	3D
Image Filter	Off	Elliptical scanning	Off
Distortion Corr.	Off	Asymmetric echo	Off
		Contrasts	1

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Bandwidth	195 Hz/Px
Flow comp.	No
Echo spacing	8.9 ms
RF pulse type	Fast
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On
Readout polarity	Positive
Readout trajectory	Bipolar
Add. scale factor	8.0
Gradient spoiling	Integral
Gradient moment factor	3.0
Siemens reconstruction	On
Save raw k-space data	Off
Averaging	None

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\USER\MGH\Morphometry\Morphometry_BWM_1mm_iso\MEMPRAGE_4e_p2_1mm_iso

TA: 6:03 PAT: 2 Voxel size: 1.0x1.0x1.0 mm Rel. SNR: 1.00 USER: Andre\tfl_mgh_multiecho

Properties

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

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	R3.0 A12.0 F18.0
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	12.50 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	2530 ms
TE 1	1.64 ms
TE 2	3.5 ms
TE 3	5.36 ms
TE 4	7.22 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

Magn. preparation	Non-sel. IR
TI	1200 ms
Flip angle	7.0 deg
Fat suppr.	None
Water suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Accel. factor 3D	1
Matrix Coil Mode	Auto (Triple)
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	Off
Geometry	
Multi-slice mode	Single shot
Series	Interleaved
Set-n-Go Protocol	Off
Table position	H
Table position	0 mm
Inline Composing	Off
System	
Body	Off
HEP	On
HEA	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 Atlas
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	R3.0 A12.0 F18.0
Orientation	Sagittal
Rotation	12.50 deg
F >> H	256 mm
A >> P	256 mm
R >> L	176 mm
Physio	
1st Signal/Mode	None
Dark blood	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	On
Dimension	3D

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Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	4
Bandwidth 1	651 Hz/Px
Bandwidth 2	651 Hz/Px
Bandwidth 3	651 Hz/Px
Bandwidth 4	651 Hz/Px
Flow comp. 1	No
Flow comp. 2	No
Flow comp. 3	No
Flow comp. 4	No
Echo spacing	10.3 ms
<hr/>	
RF pulse type	Fast
Gradient mode	Fast
Excitation	Non-sel.
RF spoiling	On
<hr/>	
Readout polarity	Positive
Readout trajectory	Bipolar
Add. scale factor	8.0
Gradient spoiling	Integral
Gradient moment factor	3.0
Siemens reconstruction	On
Save raw k-space data	Off
Averaging	RMS

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\USER\MGH\Tomography\Morphometry_BWM_1mm_iso\MEFLASH_8e_1mm_iso_30deg

TA: 8:28 PAT: 2 Voxel size: 1.0x1.0x1.0 mm Rel. SNR: 1.00 USER: Andre\gre_mgh_multiecho

Properties

Prio Recon	Off
Before measurement	
After measurement	
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
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	R3.0 A12.0 F18.0
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	12.50 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	20 ms
TE 1	1.85 ms
TE 2	3.85 ms
TE 3	5.85 ms
TE 4	7.85 ms
TE 5	9.85 ms
TE 6	11.85 ms
TE 7	13.85 ms
TE 8	15.85 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	30.0 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA

Accel. factor PE	2
Ref. lines PE	32
Accel. factor 3D	1
Matrix Coil Mode	Auto (Triple)
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	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	0 mm
Inline Composing	Off

System

Body	Off
HEP	On
HEA	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 Atlas
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	R3.0 A12.0 F18.0
Orientation	Sagittal
Rotation	12.50 deg
F >> H	256 mm
A >> P	256 mm
R >> L	176 mm

Physio

1st Signal/Mode	None
Segments	1
Tagging	None
Dark blood	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off

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Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
Maplt	None
Contrasts	8
Sequence	
Introduction	On
Dimension	3D
Elliptical scanning	Off
Phase stabilisation	Off
Asymmetric echo	Off
Bandwidth 1	650 Hz/Px
Bandwidth 2	650 Hz/Px
Bandwidth 3	650 Hz/Px
Bandwidth 4	650 Hz/Px
Bandwidth 5	650 Hz/Px
Bandwidth 6	650 Hz/Px
Bandwidth 7	650 Hz/Px
Bandwidth 8	650 Hz/Px
Flow comp. 1	No
Flow comp. 2	No
Flow comp. 3	No
Flow comp. 4	No
Flow comp. 5	No
Flow comp. 6	No
Flow comp. 7	No
Flow comp. 8	No
Readout mode	Bipolar
Allowed delay	0 s
RF pulse type	Fast
Gradient mode	Fast
Excitation	Non-sel.
RF spoiling	On
Readout polarity	Positive
Add. scale factor	4.0
Echo spacing	2000 us
Delta echo spacing	0 us
Apply echo spacing	On
Gradient spoiling	Integral
Gradient moment factor	3.0
Dummy scans	3000 ms
Siemens reconstruction	On
Save raw k-space data	Off
Averaging	RMS

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\USER\MGH\Tomography\Morphometry_BWM_1mm_iso\MEFLASH_8e_1mm_iso_05deg

TA: 8:28 PAT: 2 Voxel size: 1.0x1.0x1.0 mm Rel. SNR: 1.00 USER: Andre\gre_mgh_multiecho

Properties

Prio Recon	Off
Before measurement	
After measurement	
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
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	R3.0 A12.0 F18.0
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	12.50 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	20 ms
TE 1	1.85 ms
TE 2	3.85 ms
TE 3	5.85 ms
TE 4	7.85 ms
TE 5	9.85 ms
TE 6	11.85 ms
TE 7	13.85 ms
TE 8	15.85 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	5.0 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA

Accel. factor PE	2
Ref. lines PE	32
Accel. factor 3D	1
Matrix Coil Mode	Auto (Triple)
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	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	0 mm
Inline Composing	Off

System

Body	Off
HEP	On
HEA	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 Atlas
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	R3.0 A12.0 F18.0
Orientation	Sagittal
Rotation	12.50 deg
F >> H	256 mm
A >> P	256 mm
R >> L	176 mm

Physio

1st Signal/Mode	None
Segments	1
Tagging	None
Dark blood	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off

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Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
Maplt	None
Contrasts	8
Sequence	
Introduction	On
Dimension	3D
Elliptical scanning	Off
Phase stabilisation	Off
Asymmetric echo	Off
Bandwidth 1	650 Hz/Px
Bandwidth 2	650 Hz/Px
Bandwidth 3	650 Hz/Px
Bandwidth 4	650 Hz/Px
Bandwidth 5	650 Hz/Px
Bandwidth 6	650 Hz/Px
Bandwidth 7	650 Hz/Px
Bandwidth 8	650 Hz/Px
Flow comp. 1	No
Flow comp. 2	No
Flow comp. 3	No
Flow comp. 4	No
Flow comp. 5	No
Flow comp. 6	No
Flow comp. 7	No
Flow comp. 8	No
Readout mode	Bipolar
Allowed delay	0 s
RF pulse type	Fast
Gradient mode	Fast
Excitation	Non-sel.
RF spoiling	On
Readout polarity	Positive
Add. scale factor	4.0
Echo spacing	2000 us
Delta echo spacing	0 us
Apply echo spacing	On
Gradient spoiling	Integral
Gradient moment factor	3.0
Dummy scans	3000 ms
Siemens reconstruction	On
Save raw k-space data	Off
Averaging	RMS

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\USER\MGH\Morphometry\Morphometry_BWM_1mm_iso\T2_SPACE_1mm_iso

TA: 4:43 PAT: 2 Voxel size: 1.0x1.0x1.0 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties		Normalize	Off
Prio Recon	Off	B1 filter	Off
Before measurement		Raw filter	On
After measurement		Intensity	Weak
Load to viewer	On	Slope	25
Inline movie	Off	Elliptical filter	Off
Auto store images	On	Geometry	
Load to stamp segments	On	Special sat.	None
Load images to graphic segments	Off	Set-n-Go Protocol	Off
Auto open inline display	Off	Table position	H
Start measurement without further preparation	On	Table position	0 mm
Wait for user to start	Off	Inline Composing	Off
Start measurements	single	System	
Routine		Body	Off
Slab group 1		HEP	On
Slabs	1	HEA	On
Position	R3.0 A12.0 F18.0	Positioning mode	REF
Orientation	Sagittal	MSMA	S - C - T
Phase enc. dir.	A >> P	Sagittal	R >> L
Rotation	12.50 deg	Coronal	A >> P
Phase oversampling	0 %	Transversal	F >> H
Slice oversampling	0.0 %	Save uncombined	Off
Slices per slab	176	Coil Combine Mode	Adaptive Combine
FoV read	256 mm	AutoAlign	Head > Brain Atlas
FoV phase	100.0 %	Auto Coil Select	Default
Slice thickness	1.00 mm	Shim mode	Standard
TR	3200 ms	Adjust with body coil	Off
TE	425 ms	Confirm freq. adjustment	Off
Averages	1.0	Assume Silicone	Off
Concatenations	1	? Ref. amplitude 1H	0.000 V
Filter	Raw filter, Prescan Normalize	Adjustment Tolerance	Auto
Coil elements	HEA;HEP	Adjust volume	
Contrast		Position	R3.0 A12.0 F18.0
MTC	Off	Orientation	Sagittal
Magn. preparation	None	Rotation	12.50 deg
Fat suppr.	None	F >> H	256 mm
Water suppr.	None	A >> P	256 mm
Restore magn.	Off	R >> L	176 mm
Reconstruction	Magnitude	Physio	
Measurements	1	1st Signal/Mode	None
Multiple series	Each measurement	Dark blood	Off
Resolution		Resp. control	Off
Base resolution	256	Inline	
Phase resolution	100 %	Subtract	Off
Slice resolution	100 %	Std-Dev-Sag	Off
Phase partial Fourier	Allowed	Std-Dev-Cor	Off
Slice partial Fourier	Off	Std-Dev-Tra	Off
Interpolation	Off	Std-Dev-Time	Off
PAT mode	GRAPPA	MIP-Sag	Off
Accel. factor PE	2	MIP-Cor	Off
Ref. lines PE	24	MIP-Tra	Off
Accel. factor 3D	1	MIP-Time	Off
Matrix Coil Mode	Auto (Triple)	Save original images	On
Reference scan mode	Integrated	Sequence	
Image Filter	Off	Introduction	On
Distortion Corr.	Off	Dimension	3D
Unfiltered images	Off	Bandwidth	651 Hz/Px
Prescan Normalize	On		

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Flow comp.	No
Allowed delay	0 s
Echo spacing	3.56 ms
Adiabatic-mode	Off
Define	Echo trains
Turbo factor	141
Slice turbo factor	2
Echo trains per slice	1
Echo train duration	922
RF pulse type	Normal
Gradient mode	Fast
Excitation	Non-sel.
Flip angle mode	T2 var

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MEFLASH_8e_1mm_iso_30deg

MEFLASH_8e_1mm_iso_05deg

T2_SPACE_1mm_iso