SIEMENS MAGNETOM Aera syngo MR D13

\\USER\Vatsa\Alavatsa\Multi_IMPROD_Aera_v2_0\Localizer-Trufi-2D
TA:0:10 PAT:Off Voxel size:1.2×1.2×5.0 mm Rel. SNR:1.00 :tfi

Properties

Prio Recon	Off
Load to viewer	Off
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 slice groups	3
Slices	6
Dist. factor	20 %
Position	Isocenter
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	50 %
FoV read	300 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	2.84 ms
TE	1.42 ms
Averages	1
Filter	Distortion Corr.(2D)
Coil elements	BO1-3;SP5-7

Contrast

TD	0 ms
Magn. preparation	None
Flip angle	45 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

Resolution

Base resolution	128
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Image Filter	Off
Distortion Corr.	On
TD	0 ms
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	3
Slices	6
Dist. factor	20 %
Position	Isocenter
Phase enc. dir.	R >> L
Phase oversampling	50 %
Multi-slice mode	Sequential
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
BO3	On
SP5	On
SP6	On
SP7	On
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	ISO
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
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	63.680130 MHz
Correction factor	1
PrepExc 1H	279.202 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

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

Inline	
Inline Composing	Off
Distortion correction	Off

Sequence	
Introduction	On
Dimension	2D
Averaging mode	Long term
Multi-slice mode	Sequential
Reordering	Centric
Asymmetric echo	Off
Bandwidth	908 Hz/Px
Flow comp.	No
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slice-sel.
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	BO1-3;SP5-7
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.	On
Mode	2D
Unfiltered images	Off
Save original images	On

SIEMENS MAGNETOM Aera syngo MR D13

\\USER\Vatsa\Alavatsa\Multi_IMPROD_Aera_v2_0\Localizer-Isocenter
TA:0:10 PAT:Off Voxel size:1.2×1.2×5.0 mm Rel. SNR:1.00 :tfi

Properties

Prio Recon	Off
Load to viewer	Off
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 slice groups	3
Slices	6
Dist. factor	20 %
Position	Isocenter
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	50 %
FoV read	300 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	2.84 ms
TE	1.42 ms
Averages	1
Filter	Distortion Corr.(2D)
Coil elements	BO1-3;SP5-7

Contrast

TD	0 ms
Magn. preparation	None
Flip angle	45 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

Resolution

Base resolution	128
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Image Filter	Off
Distortion Corr.	On
TD	0 ms
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Nr. of slice groups	3
Slices	6
Dist. factor	20 %
Position	Isocenter
Phase enc. dir.	R >> L
Phase oversampling	50 %
Multi-slice mode	Sequential
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
BO3	On
SP5	On
SP6	On
SP7	On
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	ISO
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
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	63.680130 MHz
Correction factor	1
PrepExc 1H	279.202 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

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

Inline	
Inline Composing	Off
Distortion correction	Off

Sequence	
Introduction	On
Dimension	2D
Averaging mode	Long term
Multi-slice mode	Sequential
Reordering	Centric
Asymmetric echo	Off
Bandwidth	908 Hz/Px
Flow comp.	No
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slice-sel.
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	BO1-3;SP5-7
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.	On
Mode	2D
Unfiltered images	Off
Save original images	On

SIEMENS MAGNETOM Aera syngo MR D13

\\USER\Vatsa\Alavatsa\Multi_IMPROD_Aera_v2_0\t2_tse_sag_320_p2
TA:2:44 PAT:2 Voxel size:0.6×0.6×3.0 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	On
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	1
Slices	24
Dist. factor	0 %
Position	L2.2 P37.8 H0.4 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	6500.0 ms
TE	101.0 ms
Averages	2
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO2,3;SP5-7

Contrast

MTC	Off
Magn. preparation	None
Flip angle	160 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	83 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Reference scan mode	Self-calibration
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	Off

Geometry

Nr. of slice groups	1
Slices	24
Dist. factor	0 %
Position	L2.2 P37.8 H49.4 mm
Phase enc. dir.	H >> F
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
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off
Restore magn.	Off

System

Body	Off
BO1	Off
BO2	On
BO3	On
SP5	On
SP6	On
SP7	On
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	---
Coil Select Mode	Default
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	63.680130 MHz
Correction factor	1
Excit 1H	213.040 V
Gain	High
Table position	49 mm
Img. Scale. Cor.	1.000

Physio

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

Inline

Inline Composing	Off
Distortion correction	Off

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	200 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	11.2 ms
Define	Turbo factor
Turbo factor	23
Echo trains per slice	12
RF pulse type	Low SAR
Gradient mode	Normal
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	BO2,3;SP5-7
Acquisition duration	0 ms
Mode	Min flip angle
Min flip angle	150 deg

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 Aera syngo MR D13

\\USER\Vatsa\Alavatsa\Multi_IMPROD_Aera_v2_0\t2_tse_tra_320_p2
TA:3:44 PAT:2 Voxel size:0.6×0.6×3.0 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	On
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	1
Slices	20
Dist. factor	0 %
Position	L3.6 P37.6 F0.3 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	100 %
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	6000.0 ms
TE	101.0 ms
Averages	3
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO2,3;SP6

Contrast

MTC	Off
Magn. preparation	None
Flip angle	160 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	86 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Reference scan mode	Self-calibration
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	Off

Geometry

Nr. of slice groups	1
Slices	20
Dist. factor	0 %
Position	L3.6 P37.6 H40.7 mm
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
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off
Restore magn.	Off

System

Body	Off
BO1	Off
BO2	On
BO3	On
SP5	Off
SP6	On
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	---
Coil Select Mode	Default
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	63.680130 MHz
Correction factor	1
Excit 1H	213.040 V
Gain	High
Table position	41 mm
Img. Scale. Cor.	1.000

Physio

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

Inline

Inline Composing	Off
Distortion correction	Off

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	200 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	11.2 ms
Define	Turbo factor
Turbo factor	23
Echo trains per slice	12
RF pulse type	Low SAR
Gradient mode	Normal
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	BO2,3;SP6
Acquisition duration	0 ms
Mode	Min flip angle
Min flip angle	150 deg

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 Aera syngo MR D13

\\USER\Vatsa\Alavatsa\Multi_IMPROD_Aera_v2_0\Dif_tra_b500_bipolar_NOdfc_fPS
TA:4:02 PAT:2 Voxel size:2.0×2.0×3.0 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	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	1
Slices	20
Dist. factor	0 %
Position	L3.6 P37.6 F0.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	50 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	4900 ms
TE	76.0 ms
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	BO2,3;SP6

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	SPAIR
Fat sat. mode	Strong
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude

Resolution

Base resolution	128
Phase resolution	95 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
Reference scan mode	Separate
Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Dynamic Field Corr.	Off

Geometry

Nr. of slice groups	1
Slices	20
Dist. factor	0 %
Position	L3.6 P37.6 H40.7 mm
Orientation	Coronal
Phase enc. dir.	A >> P
Phase oversampling	50 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	1
Position	L0.0 A120.0 H0.0 mm
Position mode	L-P-H
Fat suppr.	SPAIR
Special sat.	None
Fat sat. mode	Strong
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

System

Body	Off
BO1	Off
BO2	On
BO3	On
SP5	Off
SP6	On
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	Adaptive Combine
AutoAlign	---
Coil Select Mode	Default
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	L3.6 P37.6 H40.7 mm
Rotation	0.00 deg
R >> L	250 mm
A >> P	250 mm
F >> H	60 mm
Frequency 1H	63.680130 MHz
Correction factor	1
ExtExciteRF 1H	167.388 V
Gain	High
Table position	41 mm
Img. Scale. Cor.	1.000

Physio

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

Inline

Inline Composing	Off
Distortion correction	Off

Sequence

Introduction	On
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	1446 Hz/Px
Optimization	None
Free echo spacing	Off
Echo spacing	0.78 ms
EPI factor	122
RF pulse type	Low SAR
Gradient mode	Fast
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	BO2,3;SP6
Acquisition duration	0 ms

BOLD

Delay in TR	0 ms
Diffusion mode	3-Scan Trace
Diff. weightings	5
b-value 1	0 s/mm²
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Distortion Corr.	On
Mode	2D
b-Value >=	0 s/mm²
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	Off

SIEMENS MAGNETOM Aera syngo MR D13

\\USER\Vatsa\Alavatsa\Multi_IMPROD_Aera_v2_0
\Dif_tra_2_5mm_b1500_bipolar_NOdfc_fPS

TA:2:21 PAT:2 Voxel size:2.6×2.6×5.0 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	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	1
Slices	16
Dist. factor	0 %
Position	L3.6 P37.6 F0.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	50 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	4800 ms
TE	90.0 ms
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	BO2,3;SP6

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	SPAIR
Fat sat. mode	Strong
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude

Resolution

Base resolution	96
Phase resolution	95 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
Reference scan mode	Separate
Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Dynamic Field Corr.	Off

Geometry

Nr. of slice groups	1
Slices	16
Dist. factor	0 %
Position	L3.6 P37.6 H40.7 mm
Orientation	Coronal
Phase enc. dir.	A >> P
Phase oversampling	50 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	1
Position	L0.0 A120.0 H0.0 mm
Position mode	L-P-H
Fat suppr.	SPAIR
Special sat.	None
Fat sat. mode	Strong
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

System

Body	Off
BO1	Off
BO2	On
BO3	On
SP5	Off
SP6	On
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
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	Default
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	L3.6 P37.6 H40.7 mm
Rotation	0.00 deg
R >> L	250 mm
A >> P	250 mm
F >> H	80 mm
Frequency 1H	63.680130 MHz
Correction factor	1
ExtExciteRF 1H	167.388 V
Gain	High
Table position	41 mm
Img. Scale. Cor.	1.000

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

Inline	
Inline Composing	Off
Distortion correction	Off

Sequence	
Introduction	On
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	1446 Hz/Px
Optimization	None
Free echo spacing	Off
Echo spacing	0.78 ms
EPI factor	91
RF pulse type	Low SAR
Gradient mode	Fast
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	BO2,3;SP6
Acquisition duration	0 ms

BOLD	
Delay in TR	0 ms
Diffusion mode	3-Scan Trace
Diff. weightings	2
b-value 1	0 s/mm²
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Distortion Corr.	On
Mode	2D
b-Value >=	0 s/mm²
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	Off

SIEMENS MAGNETOM Aera syngo MR D13

\\USER\Vatsa\Alavatsa\Multi_IMPROD_Aera_v2_0
\Dif_tra_2_5mm_b2000_bipolar_NOdfc_fPS

TA:2:21 PAT:2 Voxel size:2.6×2.6×5.0 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	Off
Wait for user to start	Off
Start measurements	single

Routine

Nr. of slice groups	1
Slices	16
Dist. factor	0 %
Position	L3.6 P37.6 F0.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	50 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	4800 ms
TE	90.0 ms
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	BO2,3;SP6

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	SPAIR
Fat sat. mode	Strong
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude

Resolution

Base resolution	96
Phase resolution	95 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
Reference scan mode	Separate
Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Dynamic Field Corr.	Off

Geometry

Nr. of slice groups	1
Slices	16
Dist. factor	0 %
Position	L3.6 P37.6 H40.7 mm
Orientation	Coronal
Phase enc. dir.	A >> P
Phase oversampling	50 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	1
Position	L0.0 A120.0 H0.0 mm
Position mode	L-P-H
Fat suppr.	SPAIR
Special sat.	None
Fat sat. mode	Strong
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

System

Body	Off
BO1	Off
BO2	On
BO3	On
SP5	Off
SP6	On
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
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	Default
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	L3.6 P37.6 H40.7 mm
Rotation	0.00 deg
R >> L	250 mm
A >> P	250 mm
F >> H	80 mm
Frequency 1H	63.680130 MHz
Correction factor	1
ExtExciteRF 1H	167.388 V
Gain	High
Table position	41 mm
Img. Scale. Cor.	1.000

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

Inline	
Inline Composing	Off
Distortion correction	Off

Sequence	
Introduction	On
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	1446 Hz/Px
Optimization	None
Free echo spacing	Off
Echo spacing	0.78 ms
EPI factor	91
RF pulse type	Low SAR
Gradient mode	Fast
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	BO2,3;SP6
Acquisition duration	0 ms

BOLD	
Delay in TR	0 ms
Diffusion mode	3-Scan Trace
Diff. weightings	2
b-value 1	0 s/mm²
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Distortion Corr.	On
Mode	2D
b-Value >=	0 s/mm²
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	Off

SIEMENS MAGNETOM Aera syngo MR D13

Table of contents

```
\\USER
    | Vatsa
    |     | Alavatsa
    |     |     | Multi_IMPROD_Aera_v2_0
    |     |     |     | Localizer-Trufi-2D
    |     |     |     | Localizer-Isocenter
    |     |     |     | t2_tse_sag_320_p2
    |     |     |     | t2_tse_tra_320_p2
    |     |     |     | Dif_tra_b500_bipolar_NOdfc_fPS
    |     |     |     | Dif_tra_2_5mm_b1500_bipolar_NOdfc_fPS
    |     |     |     | Dif_tra_2_5mm_b2000_bipolar_NOdfc_fPS
```