SIEMENS MAGNETOM TrioTim syngo MR 2006T

\\USER\ADNI\ADNI-related\Human Protocol\localizer				
TA: 9.2 [s]	PAT: Off	Voxel size: 2.2×1.1×10.0 [mm]	Rel. SNR: 1.00	SIEMENS: gre

Routine

Slice group 1	
Slices	1
Dist. factor	20 [%]
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0 [deg]
Slice group 2	
Slices	1
Dist. factor	20 [%]
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0 [deg]
Slice group 3	
Slices	1
Dist. factor	20 [%]
Position	Isocenter
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0 [deg]
Phase oversampling	0 [%]
FoV read	280 [mm]
FoV phase	100.0 [%]
Slice thickness	10 [mm]
TR	20 [ms]
TE	5 [ms]
Averages	1
Concatenations	3
Filter	Elliptical filter
Coil elements	HEA;HEP

Contrast

TD	0 [ms]
MTC	Off
Magn. preparation	None
Flip angle	40 [deg]
Reconstruction	Magnitude
Fat suppr.	None
Water suppr.	None
Measurements	1

Resolution

Base resolution	256
Phase resolution	50 [%]
Phase partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Large FoV	Off
Filter 3	
Prescan Normalize	Off
Filter 4	
Normalize	Off
Filter 5	
Elliptical filter	On
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)

Geometry

Multi-slice mode	Sequential
Series	Interleaved

Saturation mode	Standard
Special sat.	None

System

Body	Off
HEP	On
HEA	On
Save uncombined	Off
Scan at current TP	On
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Shim mode	Tune up
Adjust with body coil	On
Confirm freq. adjustment	Off
Assume Silicone	Off
Ref. amplitude [1H]	180.000 [V]
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0 [deg]
R >> L	350 [mm]
A >> P	263 [mm]
F >> H	350 [mm]

Physio

Tagging	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	0
Std-Dev-Sag	0
Std-Dev-Cor	0
Std-Dev-Tra	0
Std-Dev-Time	0
MIP-Sag	0
MIP-Cor	0
MIP-Tra	0
MIP-Time	0
Save original images	1
Wash - In	0
Wash - Out	0
TTP	0
PEI	0
MIP - time	0

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Averaging mode	Short term
Asymmetric echo	Off
Contrasts	1
Bandwidth	180 [Hz/Px]
Flow comp.	No
Allowed delay	0 [s]
Segments	1
RF pulse type	Fast
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

SIEMENS MAGNETOM TrioTim syngo MR 2006T

\\USER\ADNI\ADNI-related\Human Protocol\MPRAGE	
TA: 9:14 PAT: Off Voxel size: 1.0×1.0×1.2 [mm] Rel. SNR: 1.00 SIEMENS: tfl	

Routine

Slab group 1	
Slabs	1
Dist. factor	50 [%]
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0 [deg]
Phase oversampling	0 [%]
Slice oversampling	0 [%]
Slices per slab	160
FoV read	256 [mm]
FoV phase	93.8 [%]
Slice thickness	1.2 [mm]
TR	2300 [ms]
TE	2.96 [ms]
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

Magn. preparation	Non-sel. IR
TI	900 [ms]
Flip angle	9 [deg]
Reconstruction	Magnitude
Fat suppr.	None
Water suppr.	None
Measurements	1

Resolution

Base resolution	256
Phase resolution	100 [%]
Slice resolution	100 [%]
Phase partial Fourier	Off
Slice partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Large FoV	Off
Filter 3	
Prescan Normalize	On
Unfiltered images	Off
Filter 4	
Normalize	Off
Filter 5	
Elliptical filter	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Triple

Geometry

Multi-slice mode	Single shot
Series	Interleaved

System

Body	Off
HEP	On
HEA	On
Save uncombined	Off
Scan at current TP	Off
Scan region position	H
Scan region position	0 [mm]
MSMA	S - C - T

Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Ref. amplitude [1H]	180.000 [V]
Adjust volume	
Position	Isocenter
Orientation	Sagittal
Rotation	0 [deg]
F >> H	256 [mm]
A >> P	240 [mm]
R >> L	192 [mm]

Physio

Dark blood	Off
Resp. control	Off

Inline

Subtract	0
Std-Dev-Sag	0
Std-Dev-Cor	0
Std-Dev-Tra	0
Std-Dev-Time	0
MIP-Sag	0
MIP-Cor	0
MIP-Tra	0
MIP-Time	0
Save original images	1

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Averaging mode	Long term
Asymmetric echo	Off
Bandwidth	240 [Hz/Px]
Flow comp.	No
Echo spacing	7.1 [ms]
RF pulse type	Fast
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On

SIEMENS MAGNETOM TrioTim syngo MR 2006T

\\USER\ADNI\ADNI-related\Human Protocol\MPRAGE Repeat

TA: 9:14   PAT: Off   Voxel size: 1.0×1.0×1.2 [mm]   Rel. SNR: 1.00   SIEMENS: tfl

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Routine

Slab group 1	
Slabs	1
Dist. factor	50 [%]
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0 [deg]
Phase oversampling	0 [%]
Slice oversampling	0 [%]
Slices per slab	160
FoV read	256 [mm]
FoV phase	93.8 [%]
Slice thickness	1.2 [mm]
TR	2300 [ms]
TE	2.96 [ms]
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

Magn. preparation	Non-sel. IR
TI	900 [ms]
Flip angle	9 [deg]
Reconstruction	Magnitude
Fat suppr.	None
Water suppr.	None
Measurements	1

Resolution

Base resolution	256
Phase resolution	100 [%]
Slice resolution	100 [%]
Phase partial Fourier	Off
Slice partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Large FoV	Off
Filter 3	
Prescan Normalize	On
Unfiltered images	Off
Filter 4	
Normalize	Off
Filter 5	
Elliptical filter	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Triple

Geometry

Multi-slice mode	Single shot
Series	Interleaved

System

Body	Off
HEP	On
HEA	On
Save uncombined	Off
Scan at current TP	Off
Scan region position	H
Scan region position	0 [mm]
MSMA	S - C - T

Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Ref. amplitude [1H]	180.000 [V]
Adjust volume	
Position	Isocenter
Orientation	Sagittal
Rotation	0 [deg]
F >> H	256 [mm]
A >> P	240 [mm]
R >> L	192 [mm]

Physio

Dark blood	Off
Resp. control	Off

Inline

Subtract	0
Std-Dev-Sag	0
Std-Dev-Cor	0
Std-Dev-Tra	0
Std-Dev-Time	0
MIP-Sag	0
MIP-Cor	0
MIP-Tra	0
MIP-Time	0
Save original images	1

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Averaging mode	Long term
Asymmetric echo	Off
Bandwidth	240 [Hz/Px]
Flow comp.	No
Echo spacing	7.1 [ms]
RF pulse type	Fast
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On

SIEMENS MAGNETOM TrioTim syngo MR 2006T

\\USER\ADNI\ADNI-related\Human Protocol\Axial PD-T2 TSE	
TA: 5:08 PAT: Off Voxel size: 0.9×0.9×3.0 [mm] Rel. SNR: 1.00 SIEMENS: tse	

Routine

Slice group 1	
Slices	48
Dist. factor	0 [%]
Position	L0.0 A30.0 H0.0 [mm]
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90 [deg]
Phase oversampling	0 [%]
FoV read	240 [mm]
FoV phase	89.1 [%]
Slice thickness	3 [mm]
TR	3000 [ms]
TE[1]	12 [ms]
TE[2]	98 [ms]
Averages	1
Concatenations	3
Filter	Prescan Normalize, Elliptical filter
Coil elements	HEA;HEP

Contrast

TD	0 [ms]
MTC	Off
Magn. preparation	None
Flip angle	150 [deg]
Reconstruction	Magnitude
Fat suppr.	None
Fat sat. mode	Strong
Water suppr.	None
Measurements	1

Resolution

Base resolution	256
Phase resolution	100 [%]
Phase partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Large FoV	Off
Filter 3	
Prescan Normalize	On
Unfiltered images	Off
Filter 4	
Normalize	Off
Filter 5	
Elliptical filter	On
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None

System

Body	Off
HEA	On
HEP	On
Save uncombined	Off
Scan at current TP	On
MSMA	S - C - T

Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Ref. amplitude [1H]	180.000 [V]
Adjust volume	
Position	L0.0 A30.0 H0.0 [mm]
Orientation	Transversal
Rotation	90 [deg]
A >> P	240 [mm]
R >> L	214 [mm]
F >> H	144 [mm]

Physio

Dark blood	Off
Resp. control	Off

Inline

Subtract	0
Std-Dev-Sag	0
Std-Dev-Cor	0
Std-Dev-Tra	0
Std-Dev-Time	0
MIP-Sag	0
MIP-Cor	0
MIP-Tra	0
MIP-Time	0
Save original images	1

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Averaging mode	Long term
Contrasts	2
Bandwidth	181 [Hz/Px]
Flow comp.	No
Allowed delay	30 [s]
Echo spacing	12.3 [ms]
Turbo factor	7
RF pulse type	Low SAR
Gradient mode	Fast
Hyperecho	Off

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