\\USER\ADNI\MAIN-PHASE\Human Protocol\Localizer

Scan Time: 9.2 [s] Voxel size: 2.2×1.1×10.0 [mm] Rel. SNR: 1.00 SIEMENS: gre

Routine		System	
Slice group 1		Save uncombined	0
Slices	1	Scan at current TP	1
Dist. factor	20 [%]	MSMA	S - C - T
Position	Isocenter	Sagittal	R >> L
Orientation	Sagittal	Coronal	A >> P
Phase enc. dir.	A >> P	Transversal	F >> H
		8 Channel Head / PH5	1
Rotation	0 [deg]		1
Slice group 2		8 Channel Head / PH6	1
Slices	1	8 Channel Head / PH7	1
Dist. factor	20 [%]	8 Channel Head / PH8	1
Position	Isocenter	8 Channel Head / PH1	1
Orientation	Transversal	8 Channel Head / PH2	1
Phase enc. dir.	A >> P	8 Channel Head / PH3	1
Rotation	0 [deg]	8 Channel Head / PH4	1
Slice group 3		Body	0
Slices	1		
Dist. factor	20 [%]	Shim mode	Tune up
Position	Isocenter	Adjust with body coil	0
Orientation	Coronal	Confirm freq. adjustment	0
Phase enc. dir.		Assume Silicone	0
	R >> L	Ref. amplitude [1H]	Use Default Value [V]
Rotation	0 [deg]	Adjust volume	L-J
Phase oversampling	0 [%]	Position	Isocenter
FoV read	280 [mm]	Orientation	Transversal
FoV phase	100.0 [%]	Rotation	
Slice thickness	10 [mm]		0 [deg]
TR	20 [ms]	R >> L	350 [mm]
TE	5 [ms]	A >> P	263 [mm]
Averages	1	F >> H	350 [mm]
Concatenations	3	Physio	
Filter	Elliptical filter	1st Signal/Mode	None
Coil elements	PH1,PH2,PH3,		1
Con elements	F111,F112,F113,	Segments	
Contrast		Tagging	None
TD	0 [ms]	Dark blood	0
MTC	0		~"
Magn. preparation	None	Resp. control	Off
Flip angle	40 [deg]	Inline	
Reconstruction	Magnitude	Subtract	0
Fat suppr.	None	Std-Dev-Sag	0
Water suppr.	None	Std-Dev-Gag Std-Dev-Cor	0
Measurements	1		
Weddaromento	•	Std-Dev-Tra	0
Resolution		Std-Dev-Time	0
Base resolution	256	MIP-Sag	U
Phase resolution	50 [%]	MIP-Cor	0
Phase partial Fourier	Off	MIP-Tra	0
Filter 1	-	MIP-Time	0
Raw filter	Off	Save original images	1
Filter 2	U II		
	Off	Wash - In	0
Large FoV	Off	Wash - Out	0
Filter 3	0"	TTP	0
Normalize	Off	PEI	0
Filter 4	_	MIP - time	0
Elliptical filter	On	Coguence	
Interpolation	1	Sequence	4
		Introduction	1
D/ I modo		Dimension	2D
PAT mode	None		
I	None	Phase stabilisation	0
Geometry		Phase stabilisation Averaging mode	
Geometry Multi-slice mode	Sequential	Phase stabilisation	0
Geometry		Phase stabilisation Averaging mode	0 Short term
Geometry Multi-slice mode	Sequential	Phase stabilisation Averaging mode Asymmetric echo	0 Short term Off
Geometry Multi-slice mode Series	Sequential Interleaved	Phase stabilisation Averaging mode Asymmetric echo Contrasts	0 Short term Off 1

RF pulse type Gradient mode Excitation RF spoiling Fast Normal Slice-sel.

\\USER\ADNI\MAIN-PHASE\Human Protocol\MPRAGE Scan Time: 7:42 Voxel size: 1.3×1.3×1.2 [mm] Rel. SNR: 1.00 USER: tfl_ADNI 8 Channel Head / PH2 1 Routine 8 Channel Head / PH3 1 Slab group 1 8 Channel Head / PH4 1 Slabs Body 0 50 [%] Dist. factor Position L0.0 A30.0 H0.0 [mm] Shim mode Standard Orientation Sagittal Adjust with body coil Phase enc. dir. A >> P Confirm freq. adjustment 0 0 [deg] Assume Silicone Rotation 0 Phase oversampling 0 [%] Ref. amplitude [1H] Use Default Value [V] Slice oversampling 20 [%] Adjust volume Slices per slab 160 Position L0.0 A30.0 H0.0 [mm] FoV read 240 [mm] Orientation Sagittal FoV phase 100.0 [%] Rotation 0 [dea] Slice thickness 1.2 [mm] F >> H 240 [mm] 2400 [ms] TR 240 [mm] A >> P TE 3.54 [ms] 192 [mm] R >> L **Averages** Physio Concatenations 1st Signal/Mode None Filter None Coil elements PH1,PH2,PH3,... 0 Dark blood Contrast Off Resp. control Magn. preparation Non-sel. IR 1000 [ms] 0 Subtract Flip angle 8 [deg] Std-Dev-Sag 0 Reconstruction Magnitude Std-Dev-Cor 0 Fat suppr. None Std-Dev-Tra n Water suppr. None Std-Dev-Time O Measurements MIP-Sag 0 Resolution MIP-Cor 0 Base resolution 192 MIP-Tra 0 Phase resolution 100 [%] MIP-Time 0 Slice resolution 100 [%] Save original images 1 Phase partial Fourier Off Sequence Slice partial Fourier Off Introduction Filter 1 Dimension 3D Raw filter Off Elliptical scanning 0 Filter 2 Averaging mode Long term Large FoV Off Asymmetric echo Off Filter 3 Bandwidth 180 [Hz/Px] Normalize Off Echo spacing 8.5 [ms] Filter 4 Elliptical filter Off RF pulse type Fast Interpolation 0 Gradient mode Normal Excitation Non-sel. PAT mode None RF spoiling Geometry Multi-slice mode Single shot Interleaved Series System Save uncombined 0 Scan at current TP 0 Scan region position Н Scan region position 0 [mm] **MSMA** S - C - T Sagittal R >> L Coronal A >> P Transversal F >> H 8 Channel Head / PH5 1

8 Channel Head / PH6

8 Channel Head / PH7

8 Channel Head / PH8

8 Channel Head / PH1

1

1

1

1

\\USER\ADNI\MAIN-PHASE\Human Protocol\MPRAGE Repeat

Scan Time: 7:42 Voxel size: 1.3x1.3x1.2 [mm] Rel. SNR: 1.00 USER: tfl_ADNI

Routine		8 Channel Head / PH2	1
Slab group 1		8 Channel Head / PH3 8 Channel Head / PH4	1 1
Slabs	1	Body	0
Dist. factor	50 [%]		
Position	L0.0 A30.0 H0.0 [mm]	Shim mode	Standard
Orientation	Sagittal	Adjust with body coil	0
Phase enc. dir.	A >> P	Confirm freq. adjustment	0
Rotation	0 [deg]	Assume Silicone	0
Phase oversampling	0 [%]	Ref. amplitude [1H]	Use Default Value [V]
Slice oversampling	20 [%]	Adjust volume	
Slices per slab	160	Position	L0.0 A30.0 H0.0 [mm]
FoV read	240 [mm]	Orientation	Sagittal
FoV phase	100.0 [%]	Rotation	0 [deg]
Slice thickness	1.2 [mm]	F >> H	240 [mm]
TR	2400 [ms]	A >> P	240 [mm]
TE	3.54 [ms]	R >> L	
	3.3 4 [1118]	K >> L	192 [mm]
Averages	1	Physio	
Concatenations		1st Signal/Mode	None
Filter	None		
Coil elements	PH1,PH2,PH3,	Dark blood	0
Contrast	N 15	Resp. control	Off
Magn. preparation	Non-sel. IR	Inline	
TI	1000 [ms]	Subtract	0
Flip angle	8 [deg]	Std-Dev-Sag	0
Reconstruction	Magnitude	Std-Dev-Sag Std-Dev-Cor	
Fat suppr.	None		0
Water suppr.	None	Std-Dev-Tra	0
Measurements	1	Std-Dev-Time	0
Deschation		MIP-Sag	0
Resolution	400	MIP-Cor	0
Base resolution	192	MIP-Tra	0
Phase resolution	100 [%]	MIP-Time	0
Slice resolution	100 [%]	Save original images	1
Phase partial Fourier	Off	Sequence	
Slice partial Fourier	Off	Introduction	1
Filter 1		l l	1
Raw filter	Off	Dimension	3D
Filter 2		Elliptical scanning	0
Large FoV	Off	Averaging mode	Long term
Filter 3		Asymmetric echo	Off
Normalize	Off	Bandwidth	180 [Hz/Px]
Filter 4		Echo spacing	8.5 [ms]
Elliptical filter	Off	RF pulse type	Fast
Interpolation	0	Gradient mode	Normal
		Excitation	Non-sel.
PAT mode	None	RF spoiling	1
Geometry		<u> </u>	
Multi-slice mode	Single shot		
Series	Interleaved		
System			
System Save uncombined	0		
Scan at current TP	0		
Scan region position	H		
Scan region position	0 [mm]		
MSMA	S - C - T		
Sagittal	R >> L		
Coronal	A >> P		
Transversal	F >> H		
8 Channel Head / PH5	1		
8 Channel Head / PH6	1		
8 Channel Head / PH7	1		
8 Channel Head / PH8	1		
8 Channel Head / PH1	1		
T. Control of the con		1 / 1	

\\USER\ADNI\MAIN-PHASE\Human Protocol\B1-calibration Head

Scan Time: 0:42 Voxel size: 2.3×2.3×2.5 [mm] Rel. SNR: 1.00 USER: gre_ADNI

Б:		8 Channel Head / PH1	1
Routine		— 8 Channel Head / PH2	1
Slab group 1	1	8 Channel Head / PH3	1
Slabs Dist. factor	1	8 Channel Head / PH4	1
Position	20 [%] L0.0 A30.0 H0.0 [mm]	Body	0
Orientation	Sagittal	Shim mode	Standard
Phase enc. dir.	A >> P	Adjust with body coil	0
Rotation	0 [deg]	Confirm freq. adjustment	0
Phase oversampling	0 [%]	Assume Silicone	0
Slice oversampling	0 [%]	Ref. amplitude [1H]	Use Default Value [V]
Slices per slab	96	Adjust volume	Coo Boladii Valdo [V]
FoV read	300 [mm]	Position	L0.0 A30.0 H0.0 [mm]
FoV phase	100.0 [%]	Orientation	Sagittal
Slice thickness	2.5 [mm]	Rotation	0 [deg]
TR	3.3 [ms]	F >> H	300 [mm]
TE	1.08 [ms]	A >> P	300 [mm]
Averages	1	R >> L	240 [mm]
Concatenations	1	Physio	
Filter	None	1st Signal/Mode	None
Coil elements	PH1,PH2,PH3,	Segments	1
Contrast			
MTC	0	─ Tagging	None
Magn. preparation	None	Dark blood	0
Flip angle	2 [deg]	Resp. control	Off
Reconstruction	Magnitude	1	311
Fat suppr.	None	Inline	
Water suppr.	None	Subtract	0
Measurements	1	Std-Dev-Sag	0
Resolution		Std-Dev-Cor	0
Base resolution	128	Std-Dev-Tra	0
Phase resolution	100 [%]	Std-Dev-Time	0
Slice resolution	100 [%]	MIP-Sag MIP-Cor	0
Phase partial Fourier	Off	MIP-Cor MIP-Tra	0 0
Slice partial Fourier	Off	MIP-Time	0
Filter 1	3	Save original images	1
Raw filter	Off		
Filter 2		Wash - In	0
Large FoV	Off	Wash - Out	0
Filter 3		TTP	0
Normalize	Off	PEI	0
Filter 4		MIP - time	0
Elliptical filter	Off	Sequence	
Interpolation	0	Introduction	1
PAT mode	None	Dimension	3D
	110110	Elliptical scanning	0
Geometry		Phase stabilisation	0
Multi-slice mode	Interleaved	Averaging mode	Long term
Series	Interleaved	Asymmetric echo	Off
Saturation mode	Standard	Contrasts	1
Special sat.	None	Bandwidth	980 [Hz/Px]
		Flow comp.	No
System		RF pulse type	Fast
Save uncombined	0	Gradient mode	Fast
Scan at current TP	1	Excitation	Non-sel.
MSMA	S - C - T	RF spoiling	1
Sagittal	R >> L		
Coronal	A >> P		
Transversal	F >> H		
8 Channel Head / PH5	1		
8 Channel Head / PH6	1		
8 Channel Head / PH7	1		
8 Channel Head / PH8	1		
		- /	

\\USER\ADNI\MAIN-PHASE\Human Protocol\B1-calibration Body

Scan Time: 0:42 Voxel size: 2.3×2.3×2.5 [mm] Rel. SNR: 1.00 USER: gre_ADNI

0 Use Default Value [V] L0.0 A30.0 H0.0 [mm] Sagittal 0 [deg] 300 [mm] 300 [mm] 240 [mm]
L0.0 A30.0 H0.0 [mm] Sagittal 0 [deg] 300 [mm] 300 [mm]
Sagittal 0 [deg] 300 [mm] 300 [mm]
Sagittal 0 [deg] 300 [mm] 300 [mm]
0 [deg] 300 [mm] 300 [mm]
300 [mm] 300 [mm]
300 [mm]
240 [mm]
None
1
None
0
Off
0
0
0
0
0
0
0
0
0
1
0
0
0
0
0
1_
3D
0
0
Long term
Off
1
980 [Hz/Px]
No
Fast
Fast
Non-sel.
1

\\USER\ADNI\MAIN-PHASE\Human Protocol\Axial PD-T2 TSE

Scan Time: 6:50 Voxel size: 0.9x0.9x3.0 [mm] Rel. SNR: 1.00 SIEMENS: tse

Routine Slice group 1		8 Channel Head / PH3 8 Channel Head / PH4	1 1 0
Slices	48	Body	· · · · · · · · · · · · · · · · · · ·
Dist. factor	0 [%]	Shim mode	Standard
Position	R0.0 A30.0 H0.0 [mm]	Adjust with body coil	0
Orientation	Transversal	Confirm freq. adjustment	0
Phase enc. dir.	R >> L	Assume Silicone	0
Rotation	90 [deg]	Ref. amplitude [1H]	Use Default Value [V]
Phase oversampling	0 [%]	Adjust volume	
FoV read	240 [mm]	Position	R0.0 A30.0 H0.0 [mm]
FoV phase	89.1 [%]	Orientation	Transversal
Slice thickness	3 [mm]	Rotation	90 [deg]
TR	3000 [ms]	A >> P	240 [mm]
TE[1]	12 [ms]	R >> L	214 [mm]
TE[2]	96 [ms]	F >> H	144 [mm]
Averages	1	Dhyaia	
Concatenations	4	Physio	Nama
Filter	Elliptical filter	1st Signal/Mode	None
Coil elements	PH1,PH2,PH3,	Dark blood	0
Contrast		Resp. control	Off
TD	0 [ms]	Inline	
MTC	0	Subtract	0
Magn. preparation	None		0
Flip angle	150 [deg]	Std-Dev-Sag Std-Dev-Cor	0
Reconstruction	Magnitude	Std-Dev-Col	
Fat suppr.	None	Std-Dev-Time	0
Fat sat. mode	Strong		0
Water suppr.	None	MIP-Sag MIP-Cor	0
Measurements	1		0
Resolution		MIP-Tra	0
Base resolution	256	MIP-Time	0
Phase resolution	100 [%]	Save original images	1
Phase partial Fourier	Off	Sequence	
Filter 1	Oli	Introduction	1
Raw filter	Off	Dimension	2D
Filter 2	Oli	Compensate T2 decay	0
Large FoV	Off	Averaging mode	Long term
Filter 3	Oli	Contrasts	2
Normalize	Off	Bandwidth	163 [Hz/Px]
Filter 4	Oli	Flow comp.	No
Elliptical filter	On	Allowed delay	30 [s]
	_	Echo spacing	12 [ms]
Interpolation	0		
PAT mode	None	Turbo factor	7 Low SAB
Geometry		RF pulse type Gradient mode	Low SAR Normal
Multi-slice mode	Interleaved	Gradient mode	inullial
Series	Interleaved		
Special sat.	None		
System			
Save uncombined	0		
Scan at current TP	1		
MSMA	S-C-T		
Sagittal	R >> L		
Coronal	A >> P		
Transversal	F >> H		
8 Channel Head / PH5	1		
8 Channel Head / PH6	1		
8 Channel Head / PH7	1		
8 Channel Head / PH8	1		
8 Channel Head / PH1	1		
8 Channel Head / PH2	1		

\\USER\ADNI\MAIN-PHASE\Phantom Protocol\QC Phantom-Localizer

Scan Time: 9.2 [s] Voxel size: 2.2×1.1×10.0 [mm] Rel. SNR: 1.00 SIEMENS: gre

Routine		System	
Slice group 1		Save uncombined	0
Slices	1	Scan at current TP	1
Dist. factor	20 [%]	MSMA	S - C - T
Position	Isocenter	Sagittal	R >> L
Orientation	Sagittal	Coronal	A >> P
Phase enc. dir.	A >> P	Transversal	F >> H
		8 Channel Head / PH5	1
Rotation	0 [deg]		1
Slice group 2		8 Channel Head / PH6	1
Slices	1	8 Channel Head / PH7	1
Dist. factor	20 [%]	8 Channel Head / PH8	1
Position	Isocenter	8 Channel Head / PH1	1
Orientation	Transversal	8 Channel Head / PH2	1
Phase enc. dir.	A >> P	8 Channel Head / PH3	1
Rotation	0 [deg]	8 Channel Head / PH4	1
Slice group 3		Body	0
Slices	1		
Dist. factor	20 [%]	Shim mode	Tune up
Position	Isocenter	Adjust with body coil	0
Orientation	Coronal	Confirm freq. adjustment	0
Phase enc. dir.		Assume Silicone	0
	R >> L	Ref. amplitude [1H]	Use Default Value [V]
Rotation	0 [deg]	Adjust volume	L-J
Phase oversampling	0 [%]	Position	Isocenter
FoV read	280 [mm]	Orientation	Transversal
FoV phase	100.0 [%]	Rotation	
Slice thickness	10 [mm]		0 [deg]
TR	20 [ms]	R >> L	350 [mm]
TE	5 [ms]	A >> P	263 [mm]
Averages	1	F >> H	350 [mm]
Concatenations	3	Physio	
Filter	Elliptical filter	1st Signal/Mode	None
Coil elements	PH1,PH2,PH3,		1
Con elements	F111,F112,F113,	Segments	
Contrast		Tagging	None
TD	0 [ms]	Dark blood	0
MTC	0		~"
Magn. preparation	None	Resp. control	Off
Flip angle	40 [deg]	Inline	
Reconstruction	Magnitude	Subtract	0
Fat suppr.	None	Std-Dev-Sag	0
Water suppr.	None	Std-Dev-Gag Std-Dev-Cor	0
Measurements	1		
Weddaromento	•	Std-Dev-Tra	0
Resolution		Std-Dev-Time	0
Base resolution	256	MIP-Sag	U
Phase resolution	50 [%]	MIP-Cor	0
Phase partial Fourier	Off	MIP-Tra	0
Filter 1	-	MIP-Time	0
Raw filter	Off	Save original images	1
Filter 2	U II		
	Off	Wash - In	0
Large FoV	Off	Wash - Out	0
Filter 3	0"	TTP	0
Normalize	Off	PEI	0
Filter 4	_	MIP - time	0
Elliptical filter	On	Coguence	
Interpolation	1	Sequence	4
		Introduction	1
D/ I modo		Dimension	2D
PAT mode	None		
I	None	Phase stabilisation	0
Geometry		Phase stabilisation Averaging mode	
Geometry Multi-slice mode	Sequential	Phase stabilisation	0
Geometry		Phase stabilisation Averaging mode	0 Short term
Geometry Multi-slice mode	Sequential	Phase stabilisation Averaging mode Asymmetric echo	0 Short term Off
Geometry Multi-slice mode Series	Sequential Interleaved	Phase stabilisation Averaging mode Asymmetric echo Contrasts	0 Short term Off 1

RF pulse type Gradient mode Excitation RF spoiling Fast Normal Slice-sel.

\\USER\ADNI\MAIN-PHASE\Phantom Protocol\QC Phantom Sagittal MPRAGE

Scan Time: 7:42 Voxel size: 1.3x1.3x1.3 [mm] Rel. SNR: 1.00 USER: tfl_ADNI

Routine		8 Channel Head / PH2	1
Slab group 1		8 Channel Head / PH3	1
Slabs	1	8 Channel Head / PH4	1 0
Dist. factor	50 [%]	Body	
Position	L0.0 A30.0 H0.0 [mm]	Shim mode	Standard
Orientation	Sagittal	Adjust with body coil	0
Phase enc. dir.	A >> P	Confirm freq. adjustment	0
Rotation	0 [deg]	Assume Silicone	0
Phase oversampling	0 [%]	Ref. amplitude [1H]	Use Default Value [V]
Slice oversampling	20 [%]	Adjust volume	
Slices per slab	160	Position	L0.0 A30.0 H0.0 [mm]
FoV read	240 [mm]	Orientation	Sagittal
FoV phase	100.0 [%]	Rotation	0 [deg]
Slice thickness	1.3 [mm]	F >> H	240 [mm]
TR	2400 [ms]	A >> P	240 [mm]
TE	3.54 [ms]	R >> L	208 [mm]
Averages	1	Physio	
Concatenations	1	1st Signal/Mode	None
Filter	None		
Coil elements	PH1,PH2,PH3,	Dark blood	0
Contrast		Resp. control	Off
Magn. preparation	Non-sel. IR	Nesp. control	Oli
TI	1000 [ms]	Inline	
Flip angle	8 [deg]	Subtract	0
Reconstruction	Magnitude	Std-Dev-Sag	0
Fat suppr.	None	Std-Dev-Cor	0
Water suppr.	None	Std-Dev-Tra	0
Measurements	1	Std-Dev-Time	0
I		MIP-Sag	0
Resolution	100	MIP-Cor	0
Base resolution	192	MIP-Tra	0
Phase resolution	100 [%]	MIP-Time	0
Slice resolution	100 [%]	Save original images	1
Phase partial Fourier	Off	Sequence	
Slice partial Fourier	Off	Introduction	1
Filter 1	0"	Dimension	3D
Raw filter Filter 2	Off	Elliptical scanning	0
=	0#	Averaging mode	Long term
Large FoV	Off	Asymmetric echo	Off
Filter 3	0"	Bandwidth	180 [Hz/Px]
Normalize	Off	Echo spacing	8.5 [ms]
Filter 4	Off		
Elliptical filter		RF pulse type	Fast
Interpolation	0	Gradient mode	Normal
PAT mode	None	Excitation	Non-sel.
Goometry		RF spoiling	1
Geometry Multi slice mode	Single shot		
Multi-slice mode Series	Single shot		
	Interleaved		
System			
Save uncombined	0		
Scan at current TP	0		
Scan region position	H		
Scan region position	0 [mm]		
MSMA	S - C - T		
Sagittal	R >> L		
Coronal	A >> P		
Transversal	F >> H		
8 Channel Head / PH5	1		
8 Channel Head / PH6	1		
8 Channel Head / PH7	1		
8 Channel Head / PH8	1		
8 Channel Head / PH1	1		
5 Shannoi Hoad / I III	•		