\\USER\CMR\_R&D\_SIEMENS\Saurabh\ADNI-Subject\Localizer

SIEMENS: gre

PAT: Off Voxel size: 1.9×1.5×8.0 mm Rel. SNR: 1.00

TA: 0:10

Resolution

1A. 0.10 F	A1. OII VOXEI SIZE. 1.9X1	.5x8.0 IIIII Kei. SINK. 1.00	SIEMENS. gre
		Race resolution	102
Properties		Base resolution Phase resolution	192 75 %
Prio Recon	Off		Off
Before measurement		Phase partial Fourier Interpolation	Off
After measurement		Interpolation	
Load to viewer	On	PAT mode	None
Inline movie	Off	Matrix Coil Mode	Auto (CP)
Auto store images	On	Imaga Filtor	Off
Load to stamp segments	Off	Image Filter Distortion Corr.	On
Load images to graphic	Off	Mode	2D
segments		Unfiltered images	Off
Auto open inline display	Off	Prescan Normalize	Off
AutoAlign Spine	Off	Normalize	On
Start measurement without	Off	Raw filter	On
further preparation		Intensity	Weak
Wait for user to start	Off	Slope	25
Start measurements	single	Elliptical filter	Off
Routine		· ·	Oll
Slice group 1		Geometry	Opposedial
Slices	1	Multi-slice mode	Sequential
Dist. factor	20 %	Series	Ascending
Position	Isocenter	Saturation mode	Standard
Orientation	Sagittal	Special sat.	None
Phase enc. dir.	A >> P		
Rotation	0.00 deg	Set-n-Go Protocol	Off
Slice group 2		Table position	H
Slices	1	Table position	0 mm
Dist. factor	20 %	Inline Composing	Off
Position	Isocenter		
Orientation	Coronal	System	
Phase enc. dir.	R >> L	Body	Off
Rotation	0.00 deg	HE1	On
Slice group 3		HE3	On
Slices	1	HE2	On
Dist. factor	20 %	HE4	On
Position	Isocenter	Positioning mode	REF
Orientation	Transversal	MSMA	S - C - T
Phase enc. dir.	R >> L	Sagittal	R >> L
Rotation	90.00 deg	Coronal	A >> P
Phase oversampling	0 %	Transversal	F >> H
FoV read	280 mm	Save uncombined	Off
FoV phase	100.0 %	Coil Combine Mode	Adaptive Combine
Slice thickness	8.0 mm	Auto Coil Select	Default
TR	20.0 ms		
TE	5.00 ms	Shim mode	Tune up
Averages	1	Adjust with body coil	Off
Concatenations	3	Confirm freq. adjustment	Off
Filter	Raw filter, Distortion	Assume Silicone	Off
	Corr.(2D), Normalize	? Ref. amplitude 1H	0.000 V
Coil elements	HE1-4	Adjustment Tolerance	Auto
Contrast		Adjust volume Position	Isocenter
TD	0 ms	Orientation	Isocenter Transversal
MTC	Off	Rotation	0.00 deg
Magn. preparation	None	Rotation R >> L	308 mm
Flip angle	40 deg	A >> P	270 mm
Fat suppr.	None	F >> H	308 mm
Water suppr.	None	ı	300 IIIII
Averaging mode	Short term	Physio	N
Reconstruction	Magnitude	1st Signal/Mode	None
Measurements	Magrillude 1	Segments	1
Multiple series	Each measurement	Tagging	None
	Edon modourement	Dark blood	Off
Decolution			= 15

	Resp. control	Off
In	line	
	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
	Wash - In	Off
	Wash - Out	Off
	TTP	Off
	PEI	Off
	MIP - time	Off
S	equence	
	Introduction	On
	Dimension	2D
	Phase stabilisation	Off
	Asymmetric echo	Off
	Contrasts	1
	Bandwidth	180 Hz/Px
	Flow comp.	No
	RF pulse type	Normal
	Gradient mode	Fast
	Excitation	Slice-sel.
	RF spoiling	On

\\USER\CMR\_R&D\_SIEMENS\Saurabh\ADNI-Subject\MPRAGE

Voxel size: 1.3×1.3×1.2 mm Rel. SNR: 1.00

SIEMENS: tfl

PAT: Off

TA: 7:42

Properties		Raw filter	Off Off
Prio Recon	Off	Elliptical filter	Off
Before measurement		Geometry	
After measurement		Multi-slice mode	Single shot
Load to viewer	On	Series	Interleaved
Inline movie	Off		
Auto store images	On	Set-n-Go Protocol	Off
Load to stamp segments	Off	Table position	Н
Load images to graphic	Off	Table position	0 mm
segments		Inline Composing	Off
Auto open inline display	Off	System	
AutoAlign Spine	Off	Body	Off
Start measurement without	On	HE2	On
further preparation	0"	HE4	On
Wait for user to start	Off	HE1	On
Start measurements	single	HE3	On
outine		SP4	Off
Slab group 1		SP2	Off
Slabs	1	SP8	Off
Dist. factor	50 %	SP6	Off
Position	L0.8 A22.5 H9.3	SP3	Off
Orientation	Sagittal	SP1	Off
Phase enc. dir.	A >> P	SP7	Off
Rotation	0.00 deg	SP5	Off
Phase oversampling	0 %		
Slice oversampling	20.0 %	Positioning mode	REF
Slices per slab	160	MSMA	S-C-T
FoV read	240 mm	Sagittal	R >> L
FoV phase	100.0 %	Coronal	A >> P
Slice thickness	1.20 mm	Transversal	F >> H
TR	2400 ms	Save uncombined	Off
TE	3.59 ms	Coil Combine Mode	Sum of Squares
Averages	1	Auto Coil Select	Default
Concatenations	1	Shim mode	Standard
Filter	Prescan Normalize	Adjust with body coil	Off
Coil elements	HE1-4	Confirm freq. adjustment	Off
contrast		Assume Silicone	Off
Magn. preparation	Non-sel, IR	? Ref. amplitude 1H	0.000 V
TI	1000 ms	Adjustment Tolerance	Auto
Flip angle	8 deg	Adjust volume	
Fat suppr.	None	Position	L0.8 A22.5 H9.3
Water suppr.	None	Orientation	Sagittal
	1	Rotation	0.00 deg
Averaging mode	Long term	F >> H	240 mm
Reconstruction Measurements	Magnitude 1	A >> P	240 mm
	Off	R >> L	192 mm
Multiple series	Oil	Physio	
esolution		1st Signal/Mode	None
Base resolution	192		O#
Phase resolution	100 %	Dark blood	Off
Slice resolution	100 %	Resp. control	Off
Phase partial Fourier	Off	· ·	
Slice partial Fourier	Off	Inline	O#
Interpolation	Off	Subtract	Off Off
PAT mode	None	Std-Dev-Sag	Off Off
Matrix Coil Mode	Auto (CP)	Std-Dev-Cor	Off Off
	, (ato (O) )	Std-Dev-Tra	Off
	Off	Std-Dev-Time MIP-Sag	Off Off
Image Filter		I MIP-Sad	Off
Image Filter Distortion Corr.	Off	•	
	Off Off	MIP-Cor	Off
Distortion Corr. Unfiltered images Prescan Normalize	Off On	MIP-Cor MIP-Tra	Off Off
Distortion Corr. Unfiltered images	Off	MIP-Cor MIP-Tra MIP-Time	Off Off Off
Distortion Corr. Unfiltered images Prescan Normalize	Off On	MIP-Cor MIP-Tra	Off Off

#### |-----

Sequence	
Introduction	On
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Bandwidth	180 Hz/Px
Flow comp.	No
Echo spacing	8.3 ms
RF pulse type	Fast
Gradient mode	Fast*
Excitation	Non-sel.
RF spoiling	On

\\USER\CMR\_R&D\_SIEMENS\Saurabh\ADNI-Subject\MPRAGE Repeat

	PAT: Off Voxel size: 1.3:	×1.3×1.2 mm Rel. SNR: 1.00	SIEMENS: tfl
<b>.</b>		Raw filter	Off
Properties	0"	Elliptical filter	Off
Prio Recon Before measurement	Off	Geometry	
After measurement		Multi-slice mode	Single shot
Load to viewer	On	Series	Interleaved
Inline movie	Off		
Auto store images	On	Set-n-Go Protocol	Off
Load to stamp segments	Off	Table position	Н
Load images to graphic	Off	Table position	0 mm
segments		Inline Composing	Off
Auto open inline display	Off	System	
AutoAlign Spine	Off	Body	Off
Start measurement without further preparation	On	HE2	On
Wait for user to start	Off	HE4	On
Start measurements	single	HE1	On
ı	5.1.9.1	HE3	On
Routine		SP4	Off
Slab group 1 Slabs	1	SP2	Off
Dist. factor	50 %	SP8 SP6	Off Off
Position	L0.8 A22.5 H9.3	SP3	Off
Orientation	Sagittal	SP1	Off
Phase enc. dir.	A >> P	SP7	Off
Rotation	0.00 deg	SP5	Off
Phase oversampling	0 %		
Slice oversampling	20.0 %	Positioning mode	REF S - C - T
Slices per slab	160	MSMA Sagittal	S - C - 1 R >> L
FoV read	240 mm	Coronal	A >> P
FoV phase	100.0 %	Transversal	F >> H
Slice thickness	1.20 mm	Save uncombined	Off
TR TE	2400 ms 3.59 ms	Coil Combine Mode	Sum of Squares
Averages	3.59 ms 4	Auto Coil Select	Default
Concatenations	1	Chim made	Ctondard
Filter	Prescan Normalize	Shim mode Adjust with body coil	Standard Off
Coil elements	HE1-4	Confirm freq. adjustment	Off
Contrast		Assume Silicone	Off
Magn. preparation	Non-sel. IR	? Ref. amplitude 1H	0.000 V
TI	1000 ms	Adjustment Tolerance	Auto
Flip angle	8 deg	Adjust volume	
Fat suppr.	None	Position	L0.8 A22.5 H9.3
Water suppr.	None	Orientation	Sagittal
Averaging mode	Long term	Rotation F >> H	0.00 deg 240 mm
Reconstruction	Magnitude	Г >> П A >> P	240 mm
Measurements	1	R >> L	192 mm
Multiple series	Off	1	102
Resolution		Physio	
Base resolution	192	1st Signal/Mode	None
Phase resolution	100 %	Dark blood	Off
Slice resolution	100 %	Resp. control	Off
Phase partial Fourier	Off	ı ·	<b>3</b>
Slice partial Fourier	Off	Inline	0"
Interpolation	Off	Subtract Std Doy Sog	Off Off
PAT mode	None	Std-Dev-Sag Std-Dev-Cor	Off Off
Matrix Coil Mode	Auto (CP)	Std-Dev-Cor Std-Dev-Tra	Off
		Std-Dev-Tra	Off
Image Filter	Off Off	MIP-Sag	Off
Distortion Corr. Unfiltered images	Off Off	MIP-Cor	Off
Prescan Normalize	On	MIP-Tra	Off
Normalize	Off	MIP-Time	Off
1	÷	Save original images	On

#### \_\_\_\_\_

Sequence	
Introduction	On
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Bandwidth	180 Hz/Px
Flow comp.	No
Echo spacing	8.3 ms
RF pulse type	Fast
Gradient mode	Fast*
Excitation	Non-sel.
RF spoiling	On

\\USER\CMR\_R&D\_SIEMENS\Saurabh\ADNI-Subject\Axial PD-T2 TSE

		3.0 mm Rel. SNR: 1.00	SIEMENS: tse
D		Prescan Normalize	On
Properties		- Normalize	Off
Prio Recon	Off	Raw filter	Off
Before measurement		Elliptical filter	On
After measurement		Mode	Inplane
Load to viewer	On	O a a wa a tra c	·
Inline movie	Off	Geometry	
Auto store images	On	Multi-slice mode	Interleaved
Load to stamp segments	Off	Series	Interleaved
Load images to graphic segments	Off	Special sat.	None
Auto open inline display	Off	Set-n-Go Protocol	Off
AutoAlign Spine	Off	Table position	H
Start measurement without	On	Table position	0 mm
further preparation		Inline Composing	Off
Wait for user to start	Off	Inline Composing	Oli
Start measurements	single	System	
Routine		Body	Off
Slice group 1		- HE2	On
Slice group 1	48	HE4	On
Dist. factor	0 %	HE1	On
Position		HE3	On
Position Orientation	L0.9 A20.9 H8.2	SP4	Off
	Transversal	SP2	Off
Phase enc. dir.	R >> L	SP8	Off
Rotation	90.00 deg	SP6	Off
Phase oversampling	0 %	SP3	Off
FoV read	240 mm	SP1	Off
FoV phase	89.1 %	SP7	Off
Slice thickness	3.0 mm	SP5	Off
TR	3000 ms		
TE 1	12 ms	Positioning mode	REF
TE 2	98 ms	MSMA	S - C - T
Averages	1	Sagittal	R >> L
Concatenations	4	Coronal	A >> P
Filter	Prescan Normalize, Elliptical	Transversal	F >> H
	filter	Save uncombined	Off
Coil elements	HE1-4	Coil Combine Mode	Sum of Squares
Contrast		Auto Coil Select	Default
TD	0.0 ms	Shim mode	Standard
MTC	Off	Adjust with body coil	Off
Magn. preparation	None	Confirm freq. adjustment	Off
Flip angle	150 deg	Assume Silicone	Off
Fat suppr.	None	? Ref. amplitude 1H	0.000 V
Fat sat. mode	Strong	Adjustment Tolerance	Auto
Water suppr.	None	Adjust volume	
Restore magn.	Off	Position	L0.9 A20.9 H8.2
Averaging mode	Long term	Orientation	Transversal
Reconstruction	Magnitude	Rotation	90.00 deg
Measurements	1	A >> P	240 mm
Multiple series	Off	R >> L	214 mm
·	OII	F >> H	144 mm
Resolution		- Physio	
Base resolution	256		None
Phase resolution	100 %	1st Signal/Mode	None
Phase partial Fourier	Off	Dark blood	Off
Trajectory	Cartesian		
Interpolation	Off	Resp. control	Off
PAT mode	None	Inline	0"
Matrix Coil Mode	Auto (CP)	Subtract	Off
Imaga Filtar		Std-Dev-Sag	Off
Image Filter Distortion Corr.	Off Off	Std-Dev-Cor	Off
Unfiltered images	Off	Std-Dev-Tra	Off
	3.411	Std-Dev-Time	Off

MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence	
Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	Off
Contrasts	2
Bandwidth	163 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	12.2 ms
Define	Turbo factor
Turbo factor	7
Echo trains per slice	33
RF pulse type	Low SAR
Gradient mode	Normal

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\\USER

