\\USER\AMRIT\Liyong2\CSF_scan\localizer

TA: 0:13 PAT: Off Voxel size: 1.1×1.0×7.0 mm Rel. SNR: 1.00 SIEMENS: gre				
		Phase resolution	90 %	
Properties	0"	Phase partial Fourier	Off	
Prio Recon Before measurement	Off	Interpolation	On	
After measurement		PAT mode	None	
Load to viewer	On	Matrix Coil Mode	Auto (CP)	
Inline movie	Off			
Auto store images	On	Image Filter Distortion Corr.	Off Off	
Load to stamp segments	Off	Unfiltered images	Off	
Load images to graphic	Off	Prescan Normalize	On	
segments	Off	Normalize	Off	
Auto open inline display Start measurement without	Off	B1 filter	Off	
further preparation		Raw filter	Off	
Wait for user to start	Off	Elliptical filter	On	
Start measurements	single	Mode	Inplane	
Routine		Geometry		
Slice group 1		Multi-slice mode	Sequential	
Slices	1	Series	Interleaved	
Dist. factor	20 %	Saturation mode	Standard	
Position	Isocenter	Special sat.	None	
Orientation	Sagittal			
Phase enc. dir. Rotation	A >> P 0.00 deg	Tim CT mode	Off	
Slice group 2	0.00 deg	System		
Slices	1	Body	Off	
Dist. factor	20 %	HEP	On	
Position	Isocenter	HEA	On	
Orientation	Transversal	SP4	Off	
Phase enc. dir.	A >> P	SP2 SP8	Off Off	
Rotation	0.00 deg	SP6	Off	
Slice group 3	4	SP3	Off	
Slices Dist. factor	1 20 %	SP1	Off	
Position	Isocenter	SP7	Off	
Orientation	Coronal	SP5	Off	
Phase enc. dir.	R >> L	Positioning mode	REF	
Rotation	0.00 deg	Table position	H	
Phase oversampling	0 %	Table position	0 mm	
FoV read	250 mm	MSMA	S - C - T	
FoV phase	100.0 %	Sagittal	R >> L	
Slice thickness	7.0 mm	Coronal	A >> P	
TR TE	8.6 ms 4.00 ms	Transversal	F >> H	
Averages	2	Save uncombined	Off	
Concatenations	3	Coil Combine Mode AutoAlign	Adaptive Combine	
Filter	Prescan Normalize, Elliptical	Auto Coil Select	Default	
	filter			
Coil elements	HEA;HEP	Shim mode Adjust with body coil	Tune up Off	
Contrast		Confirm freq. adjustment	Off	
TD	0 ms	Assume Silicone	Off	
MTC	Off	? Ref. amplitude 1H	0.000 V	
Magn. preparation	None	Adjustment Tolerance	Auto	
Flip angle	20 deg None	Adjust volume		
Fat suppr. Water suppr.	None	Position	Isocenter	
		Orientation	Transversal	
Averaging mode	Short term	Rotation R >> L	0.00 deg 350 mm	
Reconstruction	Magnitude	A >> P	263 mm	
Measurements Multiple series	1 Each measurement	F >> H	350 mm	
	Lacii ilicasulcilicili	ļ		
Resolution	050	Physio 1st Signal/Mode	None	
Base resolution	256	Segments	1	
		1/+		

1	
Dark blood	Off
Resp. control	Off
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
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
Sequence	
Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Contrasts	1
Bandwidth	320 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

\\USER\AMRIT\Liyong2\CSF_scan\t2_tse_axe_320_p2

TA: 1:03 F	PAT: 3 Voxel size: 0.7×0.7×2	2.0 mm Rel. SNR: 1.00	SIEMENS: tse
Duna and in a		Prescan Normalize	On
Properties		- Normalize	Off
Prio Recon	Off	B1 filter	Off
Before measurement		Raw filter	Off
After measurement		Elliptical filter	On
Load to viewer	On	Mode	Inplane
Inline movie	Off	Wode	приле
Auto store images	On	Geometry	
Load to stamp segments	Off	Multi-slice mode	Interleaved
Load images to graphic	Off	Series	Interleaved
segments	.		
Auto open inline display	Off	Special sat.	None
Start measurement without	On		
	On	Tim CT mode	Off
further preparation	0"	ı	.
Wait for user to start	Off	System	
Start measurements	single	Body	Off
outine		HEP	On
		- HEA	On
Slice group 1	20	SP4	Off
Slices	30	SP2	Off
Dist. factor	10 %	SP8	Off
Position	L4.2 P10.5 F7.6		
Orientation	T > C-1.2	SP6	Off
Phase enc. dir.	A >> P	SP3	Off
Rotation	0.00 deg	SP1	Off
Phase oversampling	30 %	SP7	Off
FoV read	220 mm	SP5	Off
FoV phase	100.0 %		
•		Positioning mode	REF
Slice thickness	2.0 mm	Table position	Н
TR	6850 ms	Table position	0 mm
TE	103.0 ms	MSMA	S - C - T
Averages	1	Sagittal	R >> L
Concatenations	1	Coronal	A >> P
Filter	Prescan Normalize, Elliptical	Transversal	F >> H
	filter	Save uncombined	Off
Coil elements	HEA;HEP		
Con elements	IILA,IILI	Coil Combine Mode	Adaptive Combine
Contrast		AutoAlign	
MTC	Off	- Auto Coil Select	Default
Magn. preparation	None	Shim mode	0
Flip angle	120 deg		Standard Off
Fat suppr.	Fat sat.	Adjust with body coil	
		Confirm freq. adjustment	Off
Fat sat. mode	Strong	Assume Silicone	Off
Water suppr.	None	? Ref. amplitude 1H	0.000 V
Restore magn.	Off	Adjustment Tolerance	Auto
Averaging mode	Long term	Adjust volume	
Reconstruction	Magnitude	Position	L4.2 P10.5 F7.6
Measurements	Magnitude 1	Orientation	T > C-1.2
	•	Rotation	0.00 deg
Multiple series	Each measurement	R >> L	220 mm
esolution		A >> P	220 mm
Base resolution	320	- A >> P - F >> H	66 mm
Phase resolution	100 %	F >> T	00 111111
		Physio	
Phase partial Fourier	Off	1st Signal/Mode	None
Trajectory	Cartesian	·····	
Interpolation	On	Dark blood	Off
DAT mode	CDADDA		
PAT mode	GRAPPA	Resp. control	Off
Accel. factor PE	3	Inline	
Ref. lines PE	56		0#
Matrix Coil Mode	Auto (Triple)	Subtract	Off
Reference scan mode	Integrated	Std-Dev-Sag	Off
Language Eile		Std-Dev-Cor	Off
Image Filter	Off	Std-Dev-Tra	Off
Distortion Corr.	Off	Std-Dev-Time	Off
Unfiltered images	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.	On
Contrasts	1
Bandwidth	220 Hz/Px
Flow comp.	No
Allowed delay	60 s
Echo spacing	9.34 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	8
RF pulse type	Fast
Gradient mode	Fast

 $\verb|\USER\AMRIT\Liyong2\CSF_scan| ep2d_venc8_fast_TP_pos2|$

USER: ep2d_venc_ms_sbmb_SAT

Voxel size: 1.6×1.6×5.0 mm Rel. SNR: 1.00

PAT: 2

TA: 1:20:25

_			
Properties		Sat. region 1	
Prio Recon	Off	Thickness	50 mm
Before measurement		Position	R6.7 A76.8 F20.3
After measurement		Orientation	C > T3.6
Load to viewer	On	Sat. region 2	
Inline movie	Off	Thickness	50 mm
Auto store images	On	Position	L0.0 P79.9 H1.6
Load to stamp segments	Off	Orientation	C > T-1.2
Load images to graphic	Off	Special sat.	None
segments	Oli	Openial Sat.	140116
Auto open inline display	Off	System	
		Body	Off
Start measurement without	On	HEP	On
further preparation	0"	HEA	On
Wait for user to start	Off	SP4	Off
Start measurements	single	SP2	Off
Routine		SP8	Off
Slice group 1		SP6	Off
Slices	2	SP3	Off
Dist. factor	1500 %	SP1	Off
Position	R6.7 P0.9 F43.3	SP7	Off Off
Orientation	T > C-0.6	SP5	Off
Phase enc. dir.	A >> P	Positioning mode	FIX
Rotation	0.00 deg	Table position	Н
Phase oversampling	0 %	Table position	0 mm
FoV read	200 mm	MSMA	S - C - T
FoV phase	100.0 %	Sagittal	R >> L
Slice thickness	5.0 mm		A >> P
TR	5920 ms	Coronal	
TE	38.0 ms	Transversal	F >> H
Averages	1	Coil Combine Mode	Sum of Squares
Concatenations	1	AutoAlign	
Filter	None	Auto Coil Select	Default
Coil elements	HEA;HEP	Shim mode	Standard
ı	, ,,	Adjust with body coil	Off
Contrast		Confirm freq. adjustment	Off
MTC	Off	Assume Silicone	Off
Flip angle	25 deg		0.000 V
Fat suppr.	Fat sat.	? Ref. amplitude 1H	
A	1	Adjustment Tolerance	Auto
Averaging mode	Long term	Adjust volume	D0 7 D0 0 E40 0
Reconstruction	Magnitude	Position	R6.7 P0.9 F43.3
Measurements	820	Orientation	T > C-0.6
Delay in TR	0 ms	Rotation	0.00 deg
Multiple series	Off	R >> L	200 mm
Resolution		A >> P	200 mm
Base resolution	128	F >> H	85 mm
Phase resolution	100 %	Physio	
		1st Signal/Mode	None
Phase partial Fourier	6/8 Off	15t Signal/Mode	INUTE
Interpolation	Off	Angio	
PAT mode	GRAPPA	Flow mode	Single dir.
Accel. factor PE	2	Encodings	1
Ref. lines PE	24	Velocity enc.	16 cm/s
Matrix Coil Mode	Auto (Triple)	Direction	Through plane
Reference scan mode	Separate	Magnitude sum	Off
			Jii
Distortion Corr.	Off	Sequence	
Prescan Normalize	Off	Introduction	Off
Raw filter	Off	Bandwidth	1628 Hz/Px
Elliptical filter	Off	Free echo spacing	Off
Hamming	Off	Echo spacing	0.94 ms
	-		
Geometry		EPI factor	128
Multi-slice mode	Interleaved	RF pulse type	Normal
Series	Ascending	Gradient mode	Fast

I	RF spoiling	On
	RF90 duration	5120
	MB Number	2
	DummyScan Number	5
	FOV Shift Number	3
	Shift K0 Center	1
	Every Other Slice	1
	SER Number	1
	Venc Repetition	800
	Spoil factor	5
	Skew Direction	1
	DualBand Sat	0
	FOV Dir	0
	Venc Type(0off,1+-,20+,3on,4	1
	00++)	
	, , , , , ,	I

\\USER\AMRIT\Liyong2\CSF_scan\localizer

TA: 0:13 PAT: Off Voxel size: 1.1×1.0×7.0 mm Rel. SNR: 1.00 SIEMENS: gre			
Dranantiaa		Phase resolution	90 %
Properties	0"	Phase partial Fourier	Off
Prio Recon Before measurement	Off	Interpolation	On
After measurement		PAT mode	None
Load to viewer	On	Matrix Coil Mode	Auto (CP)
Inline movie	Off		Adio (Ci)
Auto store images	On	Image Filter	Off
Load to stamp segments	Off	Distortion Corr.	Off
Load images to graphic	Off	Unfiltered images	Off
segments		Prescan Normalize	On
Auto open inline display	Off	Normalize	Off
Start measurement without	Off	B1 filter	Off
further preparation		Raw filter	Off
Wait for user to start	Off	Elliptical filter	On
Start measurements	single	Mode	Inplane
Routine		Geometry	
		- Multi-slice mode	Sequential
Slice group 1 Slices	1	Series	Interleaved
Dist. factor	20 %	Saturation mode	Standard
Position	Isocenter	Special sat.	None
Orientation	Sagittal		
Phase enc. dir.	A >> P	Tim CT mode	
Rotation	0.00 deg	Tim CT mode	Off
Slice group 2	0.00 dog	System	
Slices	1	Body	Off
Dist. factor	20 %	HEP	On
Position	Isocenter	HEA	On
Orientation	Transversal	Positioning mode	REF
Phase enc. dir.	A >> P	Table position	H
Rotation	0.00 deg	Table position	0 mm
Slice group 3	-	MSMA	S - C - T
Slices	1	Sagittal	R >> L
Dist. factor	20 %	Coronal	A >> P
Position	Isocenter	Transversal	F >> H
Orientation	Coronal	Save uncombined	Off
Phase enc. dir.	R >> L	Coil Combine Mode	Adaptive Combine
Rotation	0.00 deg	AutoAlign	[']
Phase oversampling	0 %	Auto Coil Select	Default
FoV read	250 mm	Ohim made	T
FoV phase	100.0 %	Shim mode Adjust with body coil	Tune up Off
Slice thickness	7.0 mm	Confirm freq. adjustment	Off
TR	8.6 ms	Assume Silicone	Off
TE	4.00 ms	? Ref. amplitude 1H	0.000 V
Averages Concatenations	2 3	Adjustment Tolerance	Auto
Filter	Prescan Normalize, Elliptical	Adjust volume	, 1010
i litei	filter	Position	Isocenter
Coil elements	HEA;HEP	Orientation	Transversal
ı		Rotation	0.00 deg
Contrast		R >> L	350 mm
TD	0 ms	A >> P	263 mm
MTC	Off	F >> H	350 mm
Magn. preparation	None	Physic	
Flip angle	20 deg	Physio	None
Fat suppr.	None	1st Signal/Mode Segments	None 1
Water suppr.	None	Segments	I
Averaging mode	Short term	Dark blood	Off
Reconstruction	Magnitude	Resp. control	Off
Measurements	1		Oil
Multiple series	Each measurement	Inline	
Resolution		Subtract	Off
Base resolution	256	Liver registration	Off
Dase resolution	200	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

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Contrasts	1
Bandwidth	320 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

\\USER\AMRIT\Liyong2\CSF_scan\t2_tse_sag_320_p2

		Prescan Normalize	On
operties		- Normalize	Off
Prio Recon	Off	B1 filter	Off
Before measurement		Raw filter	Off
After measurement		Elliptical filter	On
Load to viewer	On	Mode	Inplane
Inline movie	Off		1
Auto store images	On	Geometry	
Load to stamp segments	Off	Multi-slice mode	Interleaved
Load images to graphic	Off	Series	Interleaved
segments		Special sat.	None
Auto open inline display	Off		
Start measurement without	On	Tim CT mode	Off
further preparation		Tim CT mode	Oli
Wait for user to start	Off	System	
Start measurements	single	Body	Off
outine		HEP	On
		- HEA	On
Slice group 1	30		
Slices	30	Positioning mode	REF
Dist. factor	10 %	Table position	H
Position	L1.8 A16.8 H16.0	Table position	0 mm
Orientation	Sagittal	MSMA	S - C - T
Phase enc. dir.	A >> P	Sagittal	R >> L
Rotation	0.00 deg	Coronal	A >> P
Phase oversampling	30 %	Transversal	F >> H
FoV read	220 mm	Save uncombined	Off
FoV phase	100.0 %	Coil Combine Mode	Adaptive Combine
Slice thickness	2.0 mm	AutoAlign	
TR	6850 ms	Auto Coil Select	Default
TE	103.0 ms	·····	
Averages	1	Shim mode	Standard
Concatenations	1	Adjust with body coil	Off
Filter	Prescan Normalize, Elliptical	Confirm freq. adjustment	Off
i iitoi	filter	Assume Silicone	Off
Coil elements	HEA;HEP	? Ref. amplitude 1H	0.000 V
Con elements	HEA,HEF	Adjustment Tolerance	Auto
ontrast		Adjust volume	, (3.13
MTC	Off	Position	L1.8 A16.8 H16.0
Magn. preparation	None	Orientation	Sagittal
Flip angle	120 deg	Rotation	0.00 deg
Fat suppr.	Fat sat.	F >> H	220 mm
Fat sat. mode	Strong	Г >> П A >> P	220 mm
Water suppr.	None		
Restore magn.	Off	R >> L	66 mm
	·····	Physio	
Averaging mode	Long term	1st Signal/Mode	None
Reconstruction	Magnitude		
Measurements	1	Dark blood	Off
Multiple series	Each measurement	Resp. control	Off
•		Nesp. control	Oil
esolution		_ Inline	
Base resolution	320	Subtract	Off
Phase resolution	100 %	Std-Dev-Sag	Off
Phase partial Fourier	Off	Std-Dev-Cor	Off
Trajectory	Cartesian	Std-Dev-Tra	Off
Interpolation	On	Std-Dev-Time	Off
	ODADDA	MIP-Sag	Off
PAT mode	GRAPPA	MIP-Cor	
Accel. factor PE	3		Off
Ref. lines PE	56	MIP-Tra	Off
Matrix Coil Mode	Auto (Triple)	MIP-Time	Off
Reference scan mode	Integrated	Save original images	On
Language Elitara		Sequence	
Image Filter	Off Off	Introduction	On
Distortion Corr.			\$ 71.1

Compensate T2 decay Off Reduce Motion Sens. On Contrasts 1

Bandwidth 220 Hz/Px
Flow comp. No
Allowed delay 60 s
Echo spacing 9.34 ms

Define Turbo factor

Turbo factor 22
Echo trains per slice 8
RF pulse type Fast
Gradient mode Fast

\\USER\AMRIT\Liyong2\CSF_scan\ep2d_venc8_fast_TP_pos2

USER: ep2d_venc_ms_sbmb_SAT

Voxel size: 1.6×1.6×5.0 mm Rel. SNR: 1.00

PAT: 2

TA: 1:20:25

Properties		Sat. region 1	
Prio Recon	Off	Thickness	50 mm
Before measurement		Position	R6.7 A71.5 H61.8
After measurement		Orientation	C > T3.6
Load to viewer	On	Sat. region 2	0 > 10.0
		•	FO
Inline movie	Off	Thickness	50 mm
Auto store images	On	Position	L0.0 P85.3 H83.7
Load to stamp segments	Off	Orientation	C > T-1.2
Load images to graphic	Off	Special sat.	None
segments			
Auto open inline display	Off	System	
Start measurement without	On	Body	Off
	On	HEP	On
further preparation		HEA	On
Wait for user to start	Off		
Start measurements	single	Positioning mode	FIX
- ··		Table position	Н
Routine		Table position	0 mm
Slice group 1		MSMA	S - C - T
Slices	2		
Dist. factor	800 %	Sagittal	R >> L
Position	R6.7 P6.2 H38.8	Coronal	A >> P
		Transversal	F >> H
Orientation	Transversal	Coil Combine Mode	Sum of Squares
Phase enc. dir.	A >> P	AutoAlign	
Rotation	0.00 deg		
Phase oversampling	0 %	Auto Coil Select	Default
FoV read	200 mm	Shim mode	Standard
FoV phase	100.0 %		Off
		Adjust with body coil	_
Slice thickness	5.0 mm	Confirm freq. adjustment	Off
TR	5920 ms	Assume Silicone	Off
TE	38.0 ms	? Ref. amplitude 1H	0.000 V
Averages	1	Adjustment Tolerance	Auto
Concatenations	1	Adjust volume	
Filter	None	l -	R6.7 P6.2 H38.8
		Position	
Coil elements	HEA;HEP	Orientation	Transversal
Contrast		Rotation	0.00 deg
MTC	Off	R >> L	200 mm
		A >> P	200 mm
Flip angle	25 deg	F >> H	50 mm
Fat suppr.	Fat sat.	1 >> 11	30 11111
		Physio	
Averaging mode	Long term	1st Signal/Mode	None
Reconstruction	Magnitude	Tot eighan wede	140110
Measurements	820	Angio	
Delay in TR	0 ms	Flow mode	Single dir.
Multiple series	Off	Encodings	1
ditiple collec	J.11		•
Resolution		Velocity enc.	16 cm/s
Base resolution	128	—— Direction	Through plane
Phase resolution	100 %	Magnitude sum	Off
		Cogueras	
Phase partial Fourier	6/8	Sequence	
Interpolation	Off	Introduction	Off
DAT mode	CDADDA	Bandwidth	1628 Hz/Px
PAT mode	GRAPPA	Free echo spacing	Off
Accel. factor PE	2	Echo spacing	0.94 ms
Ref. lines PE	24		
Matrix Coil Mode	Auto (Triple)	EPI factor	128
Reference scan mode	Separate	RF pulse type	Normal
Distortion Corr.	Off	Gradient mode	Fast
Prescan Normalize	Off	RF spoiling	On
Raw filter	Off	DE00 duration	5120
		RF90 duration	5120
Elliptical filter	Off	MB Number	2
Hamming	Off	DummyScan Number	5
Geometry		FOV Shift Number	3
Geometry		Shift K0 Center	1
Multi-slice mode	Interleaved	Every Other Slice	1
Series	Ascending		

SER Number	1
Venc Repetition	800
Spoil factor	5
Skew Direction	1
DualBand Sat	0
FOV Dir	0
Venc Type(0off,1+-,20+,3on,4	1
00++)	

\\USER\AMRIT\Liyong2\CSF_scan\t2_tse_axe_320_p2

		Prescan Normalize	On
pperties		- Normalize	Off
Prio Recon	Off	B1 filter	Off
Before measurement		Raw filter	Off
After measurement	_	Elliptical filter	On
Load to viewer	On	Mode	Inplane
Inline movie	Off		
Auto store images	On	Geometry	
Load to stamp segments	Off	Multi-slice mode	Interleaved
Load images to graphic	Off	Series	Interleaved
segments		Special sat.	None
Auto open inline display	Off		
Start measurement without	On	Tim CT mode	Off
further preparation		Tilli CT mode	Oil
Wait for user to start	Off	System	
Start measurements	single	Body	Off
outine		HEP	On
Slice group 1		- HEA	On
Slices	2	Positioning mode	FIX
Dist. factor	800 %	Positioning mode	
Position	R6.7 P6.2 H38.8	Table position	H 0 mm
Orientation	Transversal	Table position	0 mm
Phase enc. dir.	A >> P	MSMA Societal	S-C-T
Rotation	0.00 deg	Sagittal	R >> L
Phase oversampling	30 %	Coronal	A >> P
FoV read	220 mm	Transversal	F >> H
FoV phase	100.0 %	Save uncombined	Off
Slice thickness	5.0 mm	Coil Combine Mode	Adaptive Combine
TR	6850 ms	AutoAlign	 D-f!t
TE	102.0 ms	Auto Coil Select	Default
Averages	102.0 1113	Shim mode	Standard
Concatenations	1	Adjust with body coil	Off
Filter	Prescan Normalize, Elliptical	Confirm freq. adjustment	Off
i iitei	filter	Assume Silicone	Off
Coil elements	HEA;HEP	? Ref. amplitude 1H	0.000 V
Con elements	HEA,HEF	Adjustment Tolerance	Auto
ontrast		Adjust volume	
MTC	Off	Position	R6.7 P6.2 H38.8
Magn. preparation	None	Orientation	Transversal
Flip angle	120 deg	Rotation	0.00 deg
Fat suppr.	Fat sat.	R >> L	220 mm
Fat sat. mode	Strong	A >> P	220 mm
Water suppr.	None	F >> H	50 mm
Restore magn.	Off	İ	
Avoraging made	Long torm	Physio	
Averaging mode	Long term	1st Signal/Mode	None
Reconstruction	Magnitude	Dark blood	Off
Measurements Multiple period	1 Fach massurament		
Multiple series	Each measurement	Resp. control	Off
esolution		Inline	
Base resolution	320	Subtract	Off
Phase resolution	100 %		Off
Phase partial Fourier	Off	Std-Dev-Sag	
Trajectory	Cartesian	Std-Dev-Cor	Off
Interpolation	On	Std-Dev-Tra	Off
		Std-Dev-Time	Off
PAT mode	GRAPPA	MIP-Sag	Off
Accel. factor PE	3	MIP-Cor	Off
Ref. lines PE	56	MIP-Tra	Off
Matrix Coil Mode	Auto (Triple)	MIP-Time	Off
Reference scan mode	Integrated	Save original images	On
		Sequence	
Image Filter	Off	Introduction	On
Distortion Corr.	Off	IIIIIOuuciiOII	2D

Compensate T2 decay Off Reduce Motion Sens. On Contrasts 1

Bandwidth 220 Hz/Px
Flow comp. No
Allowed delay 60 s
Echo spacing 9.3 ms

Define Turbo factor

Turbo factor 22
Echo trains per slice 8
RF pulse type Fast
Gradient mode Fast