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

Resolution

Base resolution

256

Liver registration

Std-Dev-Sag

Off

Off

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

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\head\c-VEDA\NEW PROTOCOL\3DT1 weighted volume

SIEMENS: tfl

PAT: Off Voxel size: 1.0×1.0×1.2 mm Rel. SNR: 1.00

TA: 9:14

1A. 9.14 F	VOXELSIZE. 1.0X1.	DX 1.2 IIIII Rei. SINK. 1.00	SIEWENS. III
		Distortion Corr.	Off
Properties		<ul> <li>Unfiltered images</li> </ul>	Off
Prio Recon	Off		
Before measurement		Prescan Normalize	On Off
After measurement		Normalize	Off
Load to viewer	On	B1 filter	Off
Inline movie	Off	Raw filter	Off
	On	Elliptical filter	Off
Auto store images		Coometry	
Load to stamp segments	Off	Geometry	
Load images to graphic	Off	Multi-slice mode	Single shot
segments		Series	Interleaved
Auto open inline display	Off		
Start measurement without	On	System	
further preparation		Body	Off
Wait for user to start	Off	NE2	On
Start measurements	single	HEP	On
	Ğ	HEA	On
Routine		- SP4	Off
Slab group 1		SP2	Off
Slabs	1		
Dist. factor	50 %	SP8	Off
Position	R8.2 P34.1 F1.3	SP6	Off
Orientation	Sagittal	SP3	Off
Phase enc. dir.	A >> P	SP1	Off
Rotation	0.00 deg	SP7	Off
	0.00 deg 0 %	SP5	Off
Phase oversampling			
Slice oversampling	0.0 %	Positioning mode	REF
Slices per slab	160	Table position	Н
FoV read	256 mm	Table position	0 mm
FoV phase	93.8 %	MSMA	S - C - T
Slice thickness	1.20 mm	Sagittal	L >> R
TR	2300 ms	Coronal	A >> P
TE	2.96 ms	Transversal	F >> H
Averages	1	Save uncombined	Off
Concatenations	1		_
Filter	Prescan Normalize, Image	Coil Combine Mode	Adaptive Combine
Filler		Auto Coil Select	Default
Cail alamanta	Filter	Shim mode	Standard
Coil elements	HEA;HEP;NE2	Adjust with body coil	Off
Contrast		Confirm freq. adjustment	Off
Magn. preparation	Non-sel. IR		
TI	900 ms	Assume Silicone	Off
		? Ref. amplitude 1H	0.000 V
Flip angle	9 deg	Adjustment Tolerance	Auto
Fat suppr.	None	Adjust volume	
Water suppr.	None	Position	R8.2 P34.1 F1.3
Averaging mode	Long term	Orientation	Sagittal
Reconstruction	Magnitude	Rotation	0.00 deg
Measurements		F >> H	256 mm
	1	A >> P	240 mm
Multiple series	Off	R >> L	192 mm
Resolution		ı	102 11111
Base resolution	256	<ul><li>Physio</li></ul>	
Phase resolution	100 %	1st Signal/Mode	None
Slice resolution	100 %	Dark blood	Off
Phase partial Fourier	Off	Page control	Off
Slice partial Fourier	Off	Resp. control	Oil
Interpolation	On	Inline	
DAT mode	None	Subtract	Off
PAT mode	None	Std-Dev-Sag	Off
Matrix Coil Mode	Auto (CP)	Std-Dev-Sag Std-Dev-Cor	Off
Image Filter	On		
	Medium	Std-Dev-Tra	Off
Intensity		Std-Dev-Time	Off
Edge Enhancement	3	MIP-Sag	Off
Smoothing	3	MIP-Cor	Off
Unfiltered images	Off	MIP-Tra	Off

MIP-Time Save original images	Off On
Sequence	
Introduction	On
Dimension	3D
Elliptical scanning	Off
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

#### \\USER\head\c-VEDA\NEW PROTOCOL\Resting state fMRI

TA: 6:09 PAT: 2 Voxel size: 3.4×3.4×2.4 mm Rel. SNR: 1.00 SIEMENS: ep2d\_bold

Properties		Multi-slice mode	Interleaved
Prio Recon	Off	Series	Descending
Before measurement		Special sat.	None
After measurement		System	
Load to viewer	On O"	Body	Off
Inline movie	Off	NE2	Off
Auto store images Load to stamp segments	On Off	HEP	On
Load images to graphic	Off	HEA	On
segments	OII	SP4	Off
Auto open inline display	Off	SP2	Off
Start measurement without	On	SP8	Off
further preparation		SP6	Off
Wait for user to start	Off	SP3 SP1	Off Off
Start measurements	single	SP7	Off
Routine		SP5	Off
Slice group 1			
Slices	39	Positioning mode	REF
Dist. factor	40 %	Table position  Table position	H 0 mm
Position	R4.8 P38.2 H28.4	MSMA	0 mm S - C - T
Orientation	T > C-3.1	Sagittal	R >> L
Phase enc. dir.	P >> A	Coronal	P >> A
Rotation	-180.00 deg	Transversal	H >> F
Phase oversampling FoV read	0 % 218 mm	Coil Combine Mode	Sum of Squares
FoV read FoV phase	100.0 %	Auto Coil Select	Default
Slice thickness	2.4 mm	China manda	Ctondoud
TR	2200 ms	Shim mode	Standard Off
TE	30 ms	Adjust with body coil Confirm freq. adjustment	Off
Averages	1	Assume Silicone	Off
Concatenations	1	? Ref. amplitude 1H	0.000 V
Filter	Raw filter	Adjustment Tolerance	Auto
Coil elements	HEA;HEP	Adjust volume	
Contrast		Position	R4.8 P38.2 H28.4
MTC	Off	Orientation	T > C-3.1
Flip angle	75 deg	Rotation	-180.00 deg
Fat suppr.	Water excit. normal	R >> L	218 mm
	Long torm	A >> P	218 mm
Averaging mode Reconstruction	Long term Magnitude	F >> H	131 mm
Measurements	164	Physio	
Delay in TR	500 ms	1st Signal/Mode	None
Multiple series	Off	BOLD	
Resolution		GLM Statistics	On
Base resolution	64	Dynamic t-maps	Off
Phase resolution	100 %	Starting ignore meas	0
Phase partial Fourier	Off	Ignore after transition	0
Interpolation	Off	Model transition states	On
PAT mode	mSENSE	Temp. highpass filter Threshold	On 4.00
Accel. factor PE	msense 2	Paradigm size	4.00 20
Ref. lines PE	24	Meas[1]	Baseline
Matrix Coil Mode	Triple	Meas[1] Meas[2]	Baseline
Reference scan mode	Separate	Meas[3]	Baseline
		Meas[4]	Baseline
Distortion Corr.	Off Off	Meas[5]	Baseline
Prescan Normalize Raw filter	Off On	Meas[6]	Baseline
Intensity	Weak	Meas[7]	Baseline
Slope	vveak 25	Meas[8]	Baseline
Elliptical filter	Off	Meas[9]	Baseline
Hamming	Off	Meas[10]	Baseline
	<del></del>	Meas[11]	Active
Geometry		Meas[12]	Active
		5/4	

Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion correction	On
Interpolation	3D-K-space
Spatial filter	Off

Introduction	On
Bandwidth	2004 Hz/Px
Free echo spacing	Off
Echo spacing	0.58 ms
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast*

\\USER\head\c-VEDA\NEW PROTOCOL\B0 mapping

Rel. SNR: 1.00

SIEMENS: gre\_field\_mapping

Voxel size: 4.0×4.0×4.0 mm

TA: 1:05

Properties		System	
Prio Recon	Off	Body	Off
Before measurement		NE2	Off
After measurement		HEP	On
Load to viewer	On	HEA	On
Inline movie	Off	SP4	Off
Auto store images	On	SP2	Off
Load to stamp segments	Off	SP8	Off
Load images to graphic	Off	SP6	Off
segments		SP3	Off
Auto open inline display	Off	SP1	Off
Start measurement without	On	SP7	Off
further preparation	<b>.</b>	SP5	Off
Wait for user to start	Off		
Start measurements	single	Positioning mode	REF
Ctart measurements	Single	Table position	Н
Routine		Table position	0 mm
Slice group 1		MSMA .	S - C - T
Slices	36	Sagittal	R >> L
Dist. factor	0 %	Coronal	A >> P
Position	R8.1 P39.1 H24.9	Transversal	F >> H
Orientation	Transversal	Save uncombined	Off
Phase enc. dir.	R >> L	Coil Combine Mode	Sum of Squares
Rotation	90.00 deg	Auto Coil Select	Default
Phase oversampling	90.00 deg 0 %	Auto Coli Select	Delauit
FoV read	256 mm	Shim mode	Standard
	100.0 %	Adjust with body coil	Off
FoV phase		Confirm freq. adjustment	Off
Slice thickness	4.0 mm	Assume Silicone	Off
TR	488 ms	? Ref. amplitude 1H	0.000 V
TE 1	4.92 ms	Adjustment Tolerance	Auto
TE 2	7.38 ms	Adjust volume	71010
Averages	1	Position	R8.1 P39.1 H24.9
Concatenations	1	Orientation	Transversal
Filter	None	Rotation	90.00 deg
Coil elements	HEA;HEP	A >> P	256 mm
Contrast		R >> L	256 mm
MTC	Off		
		F >> H	144 mm
Flip angle	60 deg	Sequence	
Fat suppr.	None	Introduction	On
Averaging mode	Long term	Dimension	2D
Reconstruction	Phase	Asymmetric echo	Off
Measurements	1	Contrasts	2
Multiple series	Off	Bandwidth	260 Hz/Px
•	<b></b>	Flow comp.	Yes
Resolution			
Base resolution	64	RF pulse type	Normal
Phase resolution	100 %	Gradient mode	Normal
Phase partial Fourier	Off	RF spoiling	On
Interpolation	Off		
Matrix Coil Mode	Auto (CP)		
Image Filter	Off		
Image Filter			
Distortion Corr.	Off		
Prescan Normalize	Off Off		
Normalize	Off		
B1 filter	Off		
Raw filter	Off		
Elliptical filter	Off		
Geometry			
	Interleaved	<del></del>	
Multi-slice mode			
Series	Interleaved		

## \\USER\head\c-VEDA\NEW PROTOCOL\DTI

TA: 8:32 PAT: 2 Voxel size: 2.4×2.4×2.4 mm Rel. SNR: 1.00 SIEMENS: ep2d\_diff

Properties		Special sat.	None
Prio Recon	Off		
Before measurement	Jii	System	
After measurement		Body	Off
Load to viewer	On	NE2	Off
Inline movie	Off	HEP	On
Auto store images	On	HEA	On
Load to stamp segments	Off	SP4	Off
Load images to graphic	Off	SP2	Off
segments		SP8	Off
Auto open inline display	Off	SP6	Off
Start measurement without	On	SP3	Off
further preparation		SP1 SP7	Off Off
Wait for user to start	Off	SP5	Off
Start measurements	single		OII
Routine		Positioning mode	REF
Slice group 1		Table position	H
Slices	60	Table position	0 mm
Dist. factor	0 %	MSMA	S-C-T
Position	R8.7 P31.4 H32.8	Sagittal	R >> L
Orientation	Transversal	Coronal	P >> A
Phase enc. dir.	P >> A	Transversal	F >> H
Rotation	-180.00 deg	Coil Combine Mode Auto Coil Select	Adaptive Combine Default
Phase oversampling	0 %	Auto Coil Select	Delauit
FoV read	307 mm	Shim mode	Standard
FoV phase	100.0 %	Adjust with body coil	Off
Slice thickness	2.4 mm	Confirm freq. adjustment	Off
TR	15000 ms	Assume Silicone	Off
TE	100 ms	? Ref. amplitude 1H	0.000 V
Averages	1	Adjustment Tolerance	Auto
Concatenations	1 Duana and Manusalina	Adjust volume	
Filter	Prescan Normalize	Position	R8.7 P31.4 H32.8
Coil elements	HEA;HEP	Orientation	Transversal
Contrast		Rotation	-180.00 deg
MTC	Off	R >> L	307 mm
Magn. preparation	None	A >> P F >> H	307 mm 144 mm
Fat suppr.	Fat sat.	<u>I</u>	144 11111
Averaging mode	Long term	Physio	
Reconstruction	Magnitude	1st Signal/Mode	None
Delay in TR	0 ms	Resp. control	Off
Multiple series	Off	Diff	
Resolution		Diffusion mode	MDDW
Base resolution	128	Diff. weightings	2
Phase resolution	100 %	b-value 1	0 s/mm²
Phase partial Fourier	6/8	b-value 2	1300 s/mm²
Interpolation	Off	Diff. weighted images	On
PAT mode	GRAPPA	Trace weighted images	On
Accel. factor PE	2	Average ADC maps	On
Ref. lines PE	38	Individual ADC maps	Off
Matrix Coil Mode	Auto (Triple)	FA maps	On
Reference scan mode	Separate	Mosaic	On
	<del>-</del>	Tensor	On
Distortion Corr.	Off	Noise level	30
Prescan Normalize	On	Diff. directions	30
Raw filter	On	Sequence	
Elliptical filter	Off	Introduction	On
Hamming	Off	Bandwidth	1502 Hz/Px
Geometry		Free echo spacing	Off
Multi-slice mode	Interleaved	Echo spacing	0.73 ms
Series	Interleaved		
		EPI factor	128

RF pulse type Gradient mode

Low SAR Fast

#### \\USER\head\c-VEDA\NEW PROTOCOL\DTI-reversed

TA: 2:32 PAT: 2 Voxel size: 2.4×2.4×2.4 mm Rel. SNR: 1.00 SIEMENS: ep2d\_diff

Properties		Special sat.	None
Prio Recon	Off		
Before measurement	<b>3</b>	System	
After measurement		Body	Off
Load to viewer	On	NE2	Off
Inline movie	Off	HEP	On
Auto store images	On	HEA	On Off
Load to stamp segments	Off	SP4	Off
Load images to graphic	Off	SP2	Off
segments		SP8 SP6	Off Off
Auto open inline display	Off	SP3	Off
Start measurement without	On	SP1	Off
further preparation		SP7	Off
Wait for user to start	Off	SP5	Off
Start measurements	single		
Routine		Positioning mode	FIX
Slice group 1		Table position	H
Slices	60	Table position	0 mm
Dist. factor	0 %	MSMA Societal	S-C-T
Position	R7.2 P46.6 H29.3	Sagittal Coronal	R >> L A >> P
Orientation	Transversal	Transversal	A >> P F >> H
Phase enc. dir.	A >> P	Coil Combine Mode	
Rotation	-0.00 deg	Auto Coil Select	Adaptive Combine Default
Phase oversampling	0 %	Auto Coli Select	
FoV read	307 mm	Shim mode	Standard
FoV phase	100.0 %	Adjust with body coil	Off
Slice thickness	2.4 mm	Confirm freq. adjustment	Off
TR	15000 ms	Assume Silicone	Off
TE	100 ms	? Ref. amplitude 1H	0.000 V
Averages	1	Adjustment Tolerance	Auto
Concatenations Filter	Prescan Normalize	Adjust volume	B= - B /
Coil elements	HEA;HEP	Position	R7.2 P46.6 H29.3
Con elements	пен,пер	Orientation	Transversal
Contrast		Rotation	-0.00 deg 307 mm
MTC	Off	R >> L A >> P	307 mm 307 mm
Magn. preparation	None	F>> H	144 mm
Fat suppr.	Fat sat.	Į.	144 111111
Averaging mode	Long term	Physio Physio	Nava
Reconstruction	Magnitude	1st Signal/Mode	None
Delay in TR	0 ms	Resp. control	Off
Multiple series	Off	Diff	
Resolution		Diffusion mode	MDDW
Base resolution	128	Diff. weightings	2
Phase resolution	100 %	b-value 1	0 s/mm²
Phase partial Fourier	6/8	b-value 2	1300 s/mm²
Interpolation	Off	Diff. weighted images	On
PAT mode	GRAPPA	Trace weighted images	On
Accel. factor PE	2	Average ADC maps	On
Ref. lines PE	38	Individual ADC maps	Off
Matrix Coil Mode	Auto (Triple)	FA maps	On
Reference scan mode	Separate	Mosaic	On
		Tensor	On
Distortion Corr.	Off	Noise level	30
Prescan Normalize	On	Diff. directions	6
Raw filter	On	Sequence	
Elliptical filter	Off	Introduction	On
Hamming	Off	Bandwidth	1502 Hz/Px
Geometry		Free echo spacing	Off
Multi-slice mode	Interleaved	Echo spacing	0.73 ms
Series	Interleaved		
		EPI factor	128

RF pulse type Gradient mode

Low SAR Fast

\\USER\head\c-VEDA\NEW PROTOCOL\2D fast FLAIR

		I Imaga Citar	0#
roperties		Image Filter	Off
Prio Recon	Off	- Distortion Corr.	Off
Before measurement		Unfiltered images	Off
After measurement		Prescan Normalize	On Off
Load to viewer	On	Normalize	Off
Inline movie	Off	B1 filter	Off
Auto store images	On	Raw filter	Off
Load to stamp segments	Off	Elliptical filter	On
Load images to graphic	Off	Mode	Inplane
segments		Geometry	
Auto open inline display	Off	Multi-slice mode	Interleaved
Start measurement without	On	Series	Interleaved
further preparation			
Wait for user to start	Off	Special sat.	None
Start measurements	single		
	9	Tim CT mode	Off
outine Clies group 4		System	
Slice group 1	20	Body	Off
Slices	38	NE2	On
Dist. factor	0 %	NE1	On
Position	L0.0 P41.0 H18.1	HEP	On
Orientation	T > C-2.9	HEA	On
Phase enc. dir.	R >> L	SP4	Off
Rotation	90.00 deg	SP2	Off
Phase oversampling	0 %	SP8	Off
FoV read	220 mm		
FoV phase	100.0 %	SP6	Off
Slice thickness	4.0 mm	SP3	Off
TR	9000 ms	SP1	Off
TE	94.0 ms	SP7	Off
Averages	1	SP5	Off
Concatenations	2	Positioning mode	FIX
Filter	Prescan Normalize, Elliptical	Table position	H
	filter	Table position	0 mm
Coil elements	HEA;HEP;NE1,2	MSMA	S - C - T
	, ,		5-6-1 R>>L
Contrast		Sagittal Coronal	K >> L A >> P
TD	0.0 ms		
MTC	Off	Transversal	F >> H
Magn. preparation	Slice-sel. IR	Save uncombined	Off
TI	2500 ms	Coil Combine Mode	Adaptive Combine
Freeze suppressed tissue	On	Auto Coil Select	Default
Flip angle	150 deg	Shim mode	Standard
Fat suppr.	Fat sat.	Adjust with body coil	Off
Fat sat. mode	Strong	Confirm freq. adjustment	Off
Water suppr.	None	Assume Silicone	Off
Restore magn.	Off	? Ref. amplitude 1H	0.000 V
		Adjustment Tolerance	Auto
Averaging mode	Long term		Auto
Reconstruction	Magnitude	Adjust volume	LO O D44 O U49 4
Measurements	1	Position	L0.0 P41.0 H18.1
Multiple series	Each measurement	Orientation	T > C-2.9
esolution		Rotation	90.00 deg
	256	_ A >> P	220 mm
Base resolution		R >> L	220 mm
Phase resolution	90 %	F >> H	152 mm
Phase partial Fourier	Off	Physio	
Trajectory	Cartesian		None
Interpolation	On	1st Signal/Mode	NONE
PAT mode	GRAPPA	Dark blood	Off
Accel. factor PE	2		
Ref. lines PE	2 26	Resp. control	Off
Matrix Coil Mode		Inline	
MAILIX COULIVICION	Auto (Triple)		
Reference scan mode	Integrated	Subtract	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

On
2D
Off
On
1
287 Hz/Px
No
60 s
8.52 ms
Turbo factor
16
8
Normal
Fast

\\USER\head\c-VEDA\NEW PROTOCOL\2D T2 weighted Voxel size: 0.8×0.8×4.0 mm Rel. SNR: 1.00

SIEMENS: tse

PAT: 2

TA: 2:57

Drawartias		Prescan Normalize	On
Properties		<ul> <li>Normalize</li> </ul>	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	Iviode	прапе
Auto store images	On	Geometry	
Load to stamp segments	Off	Multi-slice mode	Interleaved
Load images to graphic	Off	Series	Interleaved
segments	OII		
	Off	Special sat.	None
Auto open inline display			
Start measurement without	On	Tim CT mode	Off
further preparation		1 min C1 mode	Oli
Wait for user to start	Off	System	
Start measurements	single	Body	Off
Routine		NE2	Off
		-   HEP	On
Slice group 1		HEA	On
Slices	38	SP4	
Dist. factor	0 %		Off
Position	R7.2 P31.3 H30.1	SP2	Off
Orientation	Transversal	SP8	Off
Phase enc. dir.	L >> R	SP6	Off
Rotation	-90.00 deg	SP3	Off
Phase oversampling	30 %	SP1	Off
FoV read	240 mm	SP7	Off
	-	SP5	Off
FoV phase	75.0 %		
Slice thickness	4.0 mm	Positioning mode	REF
TR	4380 ms	Table position	Н
TE	54 ms	Table position	0 mm
Averages	1	MSMA	S - C - T
Concatenations	2	Sagittal	R >> L
Filter	Prescan Normalize, Elliptical	Coronal	A >> P
	filter		
Coil elements	HEA;HEP	Transversal	F >> H
T Con ciomonic	11274,1121	Save uncombined	Off
Contrast		Coil Combine Mode	Adaptive Combine
TD	0.0 ms	Auto Coil Select	Default
MTC	Off	Chim made	Tuna un
Magn. preparation	None	Shim mode	Tune up
Flip angle	90 deg	Adjust with body coil	Off
Fat suppr.	None	Confirm freq. adjustment	Off
		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	Isocenter
	wayiiiuu <del>c</del> 1	Orientation	Transversal
Measurements	I Fook management	Rotation	0.00 deg
Multiple series	Each measurement	R >> L	350 mm
Resolution			
Base resolution	320	_ A >> P	263 mm
Phase resolution	90 %	F >> H	350 mm
		Physio	
Phase partial Fourier	Off	1st Signal/Mode	None
Trajectory	Cartesian	15t Signal/Mode	INOTIC
Interpolation	On	Dark blood	Off
DAT mode	CDADDA		
PAT mode	GRAPPA	Resp. control	Off
Accel. factor PE	2	lation o	
Ref. lines PE	24	Inline	~,,
Matrix Coil Mode	Auto (Triple)	Subtract	Off
Reference scan mode	Integrated	Std-Dev-Sag	Off
lara a F2		Std-Dev-Cor	Off
Image Filter	Off	Std-Dev-Tra	Off
Distortion Corr.	Off	Std-Dev-Time	Off
Unfiltered images	Off	MIP-Sag	Off
•		1 Sag	<b>J</b>

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	156 Hz/Px
Flow comp.	No
Allowed delay	60 s
Echo spacing	13.6 ms
Define	Turbo factor
Turbo factor	8
Echo trains per slice	19
RF pulse type	Normal
Gradient mode	Fast