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\\Sola_Fit_Bac

EXPORT

neuro

brain_pedi

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\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\haste_loc *

TA: 10 sec Coil Selection: Auto Voxel Size: 0.5×0.5×6.0 mm³ Acc:: 3 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	9
Distance Factor	20 %
Position	L7.6 P67.7 H0.8 mm
Orientation	C > S-0.1
Phase Encoding Dir.	R >> L
AutoAlign	---
Slice Group	2
Slices	7
Distance Factor	50 %
Position	L4.4 P83.0 H0.3 mm
Orientation	S > C0.1
Phase Encoding Dir.	A >> P
AutoAlign	---
Slice Group	3
Slices	7
Distance Factor	50 %
Position	L1.6 P83.3 F0.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Phase Oversampling	50 %
FOV Read	250 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
TR	441.0 ms
TE	96.00 ms
Averages	1

Contrast - Common

TR	441.0 ms
TE	96.00 ms
MTC	Off

Contrast - Common

Magn. Preparation	None
Flip Angle Mode	Hyperecho
Flip Angle 1	100 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	250 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
Base Resolution	240
Phase Resolution	100 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	30
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	9
Distance Factor	20 %
Position	L7.6 P67.7 H0.8 mm
Orientation	C > S-0.1
Phase Encoding Dir.	R >> L
Slice Group	2
Slices	7
Distance Factor	50 %
Position	L4.4 P83.0 H0.3 mm
Orientation	S > C0.1

Geometry - Common

Phase Encoding Dir.	A >> P
Slice Group	3
Slices	7
Distance Factor	50 %
Position	L1.6 P83.3 F0.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	50 %
FOV Read	250 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
TR	441.0 ms
Multi-Slice Mode	Single Shot
Series	Ascending

Geometry - AutoAlign

Slice Group	1
Position	L7.6 P67.7 H0.8 mm
Orientation	C > S-0.1
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L7.6 P67.7 H0.8
L	7.6 mm
P	67.7 mm
H	0.8 mm
Initial Orientation	C > S
C > S	-0.10
> T	0.00
Initial Rotation	0.00 deg
Slice Group	2
Position	L4.4 P83.0 H0.3 mm
Orientation	S > C0.1
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
Slice Group	3
Position	L1.6 P83.3 F0.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	1 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	441.0 ms

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	250 mm
FOV Phase	100.0 %
Phase Resolution	100 %

Physio - Cardiac

Motion Correction	None
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Physio - PACE

Resp. Control	Breath-hold
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Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	h
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	744 Hz/Px
Echo Spacing	3.44 ms
Turbo Factor	240

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	140 deg
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedilt2_tse_tra_DRB_TR6000 *

TA: 3:19 min Coil Selection: Auto Voxel Size: 0.2x0.2x3.0 mm³ Acc:: 3 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	36
Distance Factor	0 %
Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Phase Oversampling	150 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	6000.0 ms
TE	141.00 ms
Averages	1
Concatenations	2

Contrast - Common

TR	6000.0 ms
TE	141.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Each Measurement
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Resolution - Common

FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	416
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	36
Distance Factor	0 %
Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	6000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	L4.1 P65.1 H4.1
L	4.1 mm
P	65.1 mm

Geometry - AutoAlign

H	4.1 mm
Initial Orientation	Transversal
Initial Rotation	86.71 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	4 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	6000.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	180 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tseR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	204 Hz/Px
Echo Spacing	8.82 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	24
Echo Trains per Slice	15

Sequence - Part 2

Introduction	Off
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off

Sequence - Part 2

WARP	Off
Red. EC Sensitivity	Off
Acoustic Noise Reduction	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	5000.0 ms
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\t2_tse_cor_DRB_TR6000 *

TA: 3:19 min Coil Selection: Auto Voxel Size: 0.2x0.2x3.0 mm³ Acc:: 3 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	2nd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	38
Distance Factor	0 %
Position	L4.0 P67.5 F7.3 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Phase Oversampling	150 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	6000.0 ms
TE	150.00 ms
Averages	1
Concatenations	2

Contrast - Common

TR	6000.0 ms
TE	150.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Each Measurement
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Resolution - Common

FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	416
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	38
Distance Factor	0 %
Position	L4.0 P67.5 F7.3 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	6000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L4.0 P67.5 F7.3 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	L4.0 P67.5 F7.3
L	4.0 mm
P	67.5 mm

Geometry - AutoAlign

F	7.3 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	7 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	6000.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	180 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tseR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	204 Hz/Px
Echo Spacing	8.82 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	24
Echo Trains per Slice	15

Sequence - Part 2

Introduction	Off
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off

Sequence - Part 2

WARP	Off
Red. EC Sensitivity	Off
Acoustic Noise Reduction	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	5000.0 ms
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedilt1_mprage_sag *

TA: 4:36 min Coil Selection: Auto Voxel Size: 0.5×0.5×1.0 mm³ Acc:: 2 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	1st Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Distance Factor	50 %
Position	L2.5 P63.9 F16.2 mm
Orientation	S > C-5.7
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Slices per Slab	176
Phase Oversampling	30 %
Slice Oversampling	27.3 %
FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	1.00 mm
TR	2000.0 ms
TE	2.37 ms
Averages	1
Concatenations	1

Contrast - Common

TR	2000.0 ms
TE	2.37 ms
Magn. Preparation	Non-sel. IR
TI	900 ms
Flip Angle	10 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Contrast - Dynamic

Reordering	Linear
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Resolution - Common

FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	1.00 mm
Base Resolution	192
Phase Resolution	100 %
Slice Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	1
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Allowed
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	On
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	On

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	50 %
Position	L2.5 P63.9 F16.2 mm
Orientation	S > C-5.7
Phase Encoding Dir.	A >> P
Slices per Slab	176
Phase Oversampling	30 %
Slice Oversampling	27.3 %
FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	1.00 mm
TR	2000.0 ms
Multi-Slice Mode	Single Shot
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L2.5 P63.9 F16.2 mm

Geometry - AutoAlign

Orientation	S > C-5.7
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	L2.5 P63.9 F16.2
L	2.5 mm
P	63.9 mm
F	16.2 mm
Initial Orientation	S > C
S > C	-5.70
> T	0.00
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Tim Planning Suite**

Set-n-Go Protocol	Off
Table Position	16 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Performance
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	2000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Non-sel. IR
TI	900 ms
Dark Blood	Off
FOV Read	192 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	10 deg
Measurements	1
Contrasts	1
TE	2.37 ms
TR	2000.0 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tfl
Dimension	3D
Excitation	Non-sel.

Sequence - Part 1

RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Reordering	Linear
Bandwidth	180 Hz/Px
Echo Spacing	7.04 ms
Asymmetric Echo	Allowed
Turbo Factor	224

Sequence - Part 2

Introduction	On
RF Spoiling	On
Incr. Gradient Spoiling	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
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\\Sola_Fit_Bac\EXPORT\neuro\brain_ped\1_t1_qtse_tir_tra *

TA: 3:11 min Coil Selection: Auto Voxel Size: 0.4x0.4x4.0 mm³ Acc:: 2 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	21
Distance Factor	30 %
Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Phase Oversampling	0 %
FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	7000.0 ms
TE	61.00 ms
Averages	2
Concatenations	1

Contrast - Common

TR	7000.0 ms
TE	61.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	350 ms
Freeze Suppr. Tissue	On
Flip Angle 1	160 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Real

Contrast - Dynamic

Dynamic Mode	Standard
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Contrast - Dynamic

Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	256
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Self-calibration
Acceleration Factor PE	2
Reference Lines PE	32
Deep Resolve / ID Gain	Off
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	On
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	21
Distance Factor	30 %
Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
Phase Oversampling	0 %
FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	7000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	L4.1 P65.1 H4.1
L	4.1 mm

Geometry - AutoAlign

P	65.1 mm
H	4.1 mm
Initial Orientation	Transversal
Initial Rotation	86.71 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	4 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Rotation	86.71 deg
R >> L	192 mm
A >> P	192 mm
F >> H	108 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	7000.0 ms

Physio - Signal

Concatenations	1
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Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	350 ms
Dark Blood	Off
FOV Read	192 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	qtir
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	190 Hz/Px
Echo Spacing	12.1 ms
Free Echo Spacing	On
Define	Turbo Factor
Turbo Factor	10
Echo Trains per Slice	13

Sequence - Part 2

Introduction	On
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	Off
WARP	Off
Red. EC Sensitivity	Off
Acoustic Noise Reduction	On
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	150 deg
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\resolve_DWI_tra *

TA: 4:12 min Coil Selection: Auto Voxel Size: 0.7×0.7×3.0 mm³ Acc:: 2 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Resolution - Common

FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	128
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Accel. Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	64
Phase Partial Fourier	Off
Readout Partial Fourier	5/8
Readout Segments	5

Routine

Slice Group	1
Slices	36
Distance Factor	0 %
Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	6470.0 ms
TE 1	63 ms
TE 2	102 ms
Concatenations	1

Resolution - Filter

Raw Filter	On
Distortion Correction	2D
Normalize	Prescan
Noise Masking	Off

Geometry - Common

Slice Group	1
Slices	36
Distance Factor	0 %
Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	6470.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Contrast - Common

TR	6470.0 ms
TE 1	63 ms
TE 2	102 ms
MTC	Off
Magn. Preparation	None
Flip Angle	180 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Geometry - AutoAlign

Slice Group	1
Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	L4.1 P65.1 H4.1
L	4.1 mm
P	65.1 mm
H	4.1 mm
Initial Orientation	Transversal
Initial Rotation	-3.29 deg

Geometry - Saturation

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	4 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L4.1 P65.1 H4.1 mm
Orientation	Transversal
Rotation	-3.29 deg
A >> P	180 mm
R >> L	180 mm
F >> H	108 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	6470.0 ms
Concatenations	1

Diff

Diffusion Mode	3-Scan Trace
Diff. Directions	3
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	0 s/mm ²

Diff

b-value 2	800 s/mm ²
Averages 1	1
Averages 2	3
Invert Gray Scale	Off
Diff. Weighted Images	Off
Trace Weighted Images	On
Tensor	Off
FA Maps	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm ²
ADC Noise Threshold	50
Noise Masking	Off
Calculated b-value	1500 s/mm ²
Calculated Image	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	resolve
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	630 Hz/Px
Echo Spacing	0.50 ms
Optimization	Min. TE
EPI Factor	64

Sequence - Part 2

Introduction	Off
Reacquisition Mode	On

Sequence - Assistant

SAR Assistant	Off
Optimization	Min. TE

\\Sola_Fit_Bac\EXPORT\neuro\brain_ped\lt2_swi_tra_wave4 *

TA: 2:36 min Coil Selection: Auto Voxel Size: 0.9×0.9×1.8 mm³ Acc:: 4 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Resolution - Common

FOV Read	180 mm
FOV Phase	75.0 %
Slice Thickness	1.80 mm
Base Resolution	208
Phase Resolution	80 %
Slice Resolution	75 %

Resolution - Acceleration

Acceleration Mode	Wave-CAIPI
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	30
Acceleration Factor 3D	2
Reference Lines 3D	30

Resolution - Filter

Distortion Correction	2D
Normalize	Prescan

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L4.1 P59.1 H14.8 mm
Orientation	T > C-11.3
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Slices per Slab	64
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	75.0 %
Slice Thickness	1.80 mm
TR	49.0 ms
TE	40.00 ms
Averages	2
Concatenations	1

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L4.1 P59.1 H14.8 mm
Orientation	T > C-11.3
Phase Encoding Dir.	R >> L
Slices per Slab	64
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	75.0 %
Slice Thickness	1.80 mm
TR	49.0 ms
Multi-Slice Mode	Sequential
Series	Interleaved
Concatenations	1

Contrast - Common

TR	49.0 ms
TE	40.00 ms
Magn. Preparation	None
Flip Angle	15 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	On
Reconstruction	Magn./Phase

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - AutoAlign

Slab Group	1
Position	L4.1 P59.1 H14.8 mm
Orientation	T > C-11.3
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	L4.1 P59.1 H14.8
L	4.1 mm
P	59.1 mm
H	14.8 mm
Initial Orientation	T > C
T > C	-11.30
> S	0.00
Initial Rotation	90.91 deg

Geometry - Saturation

Saturation Mode	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Sum of Squares
Matrix Optimization	Performance
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L4.1 P59.1 H14.8 mm
Orientation	T > C-11.3
Rotation	90.91 deg
R >> L	135 mm
A >> P	180 mm
F >> H	116 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	swiW_r
Dimension	3D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	On
Bandwidth	100 Hz/Px

Sequence - Part 1

Segments	1
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Sequence - Part 2

Introduction	On
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Sequence - Assistant

SAR Assistant	Off
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\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\AAhead_scout *

TA: 19 sec Coil Selection: Auto Voxel Size: 1.6×1.6×1.6 mm³ Acc:: 3 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	Off
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	On
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Resolution - Common

FOV Read	260 mm
FOV Phase	100.0 %
Slice Thickness	1.6 mm
Base Resolution	160
Phase Resolution	100 %
Slice Resolution	69 %
Trajectory	Cartesian

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	24
Acceleration Factor 3D	1
Phase Partial Fourier	6/8
Slice Partial Fourier	6/8
Asymmetric Echo	Weak

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Slices per Slab	128
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	260 mm
FOV Phase	100.0 %
Slice Thickness	1.6 mm
TR	4.52 ms
TE	2.38 ms
Averages	1
Concatenations	1
AutoAlign	Head

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	3D
Normalize	Prescan
Noise Masking	Off
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Slices per Slab	128
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	260 mm
FOV Phase	100.0 %
Slice Thickness	1.6 mm
TR	4.52 ms
Multi-Slice Mode	Sequential
Series	Ascending
Concatenations	1

Contrast - Common

TR	4.52 ms
TE	2.38 ms
Flip Angle	8 deg
Fat-Water Contrast	Standard
Contrasts	1
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Time to Center	8.2 s

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Initial Position	Isocenter

Geometry - AutoAlign

L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
AutoAlign	Head

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
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Inline - Subtraction

Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off
AutoAlign MPR	On

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	8 deg
Measurements	1
Contrasts	1
TE	2.38 ms
TR	4.52 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Non-sel.
RF Pulse Type	Fast
Gradient Mode	Normal
Bandwidth	540 Hz/Px
Asymmetric Echo	Weak

Sequence - Part 2

Introduction	On
RF Spoiling	On
Breast Application	Off
Phase Enc. Order	Automatic

Sequence - Assistant

SAR Assistant	Off
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\\Sola_Fit_Bac\EXPORT\neuro\brain_pedilt2_tse_tra_DRB_TR6000 *

TA: 2:17 min Coil Selection: Auto Voxel Size: 0.3×0.3×3.5 mm³ Acc:: 3 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	42
Distance Factor	0 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Phase Oversampling	80 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	6000.0 ms
TE	137.00 ms
Averages	1
Concatenations	2

Contrast - Common

TR	6000.0 ms
TE	137.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Each Measurement
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Resolution - Common

FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
Base Resolution	400
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	42
Distance Factor	0 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
Phase Oversampling	80 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	6000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm

Geometry - AutoAlign

H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	90.56 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	6000.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	200 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tseR
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	202 Hz/Px
Echo Spacing	9.82 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	24
Echo Trains per Slice	10

Sequence - Part 2

Introduction	Off
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off

Sequence - Part 2

WARP	Off
Red. EC Sensitivity	Off
Acoustic Noise Reduction	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	5000.0 ms
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\t2_tse_cor_DRB_TR6000 *

TA: 2:24 min Coil Selection: Auto Voxel Size: 0.3×0.3×3.5 mm³ Acc:: 3 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	2nd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	50
Distance Factor	0 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Phase Oversampling	80 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	6270.0 ms
TE	137.00 ms
Averages	1
Concatenations	2

Contrast - Common

TR	6270.0 ms
TE	137.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Each Measurement
-----------------	------------------

Resolution - Common

FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
Base Resolution	400
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	50
Distance Factor	0 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	80 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	6270.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm

Geometry - AutoAlign

H	0.0 mm
Initial Orientation	Coronal
Initial Rotation	-0.16 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	6270.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	200 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tseR
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	202 Hz/Px
Echo Spacing	9.82 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	24
Echo Trains per Slice	10

Sequence - Part 2

Introduction	Off
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off

Sequence - Part 2

WARP	Off
Red. EC Sensitivity	Off
Acoustic Noise Reduction	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	5000.0 ms
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedilt1_mprage_sag *

TA: 4:44 min Coil Selection: Auto Voxel Size: 0.5×0.5×1.0 mm³ Acc:: 2 Rel. SNR: 1.00

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	1st Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Distance Factor	50 %
Position	L8.0 P19.7 H11.4 mm
Orientation	S > C-3.4 > T2.3
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Slices per Slab	176
Phase Oversampling	15 %
Slice Oversampling	36.4 %
FOV Read	224 mm
FOV Phase	100.0 %
Slice Thickness	1.00 mm
TR	2000.0 ms
TE	2.33 ms
Averages	1
Concatenations	1

Contrast - Common

TR	2000.0 ms
TE	2.33 ms
Magn. Preparation	Non-sel. IR
TI	900 ms
Flip Angle	10 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Contrast - Dynamic

Reordering	Linear
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Resolution - Common

FOV Read	224 mm
FOV Phase	100.0 %
Slice Thickness	1.00 mm
Base Resolution	224
Phase Resolution	100 %
Slice Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	1
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Allowed
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	On
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	On

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	50 %
Position	L8.0 P19.7 H11.4 mm
Orientation	S > C-3.4 > T2.3
Phase Encoding Dir.	A >> P
Slices per Slab	176
Phase Oversampling	15 %
Slice Oversampling	36.4 %
FOV Read	224 mm
FOV Phase	100.0 %
Slice Thickness	1.00 mm
TR	2000.0 ms
Multi-Slice Mode	Single Shot
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L8.0 P19.7 H11.4 mm

Geometry - AutoAlign

Orientation	S > C-3.4 > T2.3
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	L2.5 P2.3 F24.7
L	2.5 mm
P	2.3 mm
F	24.7 mm
Initial Orientation	S > T
S > T	1.60
> C	1.30
Initial Rotation	-0.02 deg

Geometry - Navigator**Geometry - Tim Planning Suite**

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Performance
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	2000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Non-sel. IR
TI	900 ms
Dark Blood	Off
FOV Read	224 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	10 deg
Measurements	1
Contrasts	1
TE	2.33 ms
TR	2000.0 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tfl
Dimension	3D
Excitation	Non-sel.

Sequence - Part 1

RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Reordering	Linear
Bandwidth	180 Hz/Px
Echo Spacing	7.00 ms
Asymmetric Echo	Allowed
Turbo Factor	240

Sequence - Part 2

Introduction	On
RF Spoiling	On
Incr. Gradient Spoiling	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
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\\Sola_Fit_Bac\EXPORT\neuro\brain_pedilt1_tse_tir_tra *

TA: 3:39 min Coil Selection: Auto Voxel Size: 0.4x0.4x3.5 mm³ Acc:: 2 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L6.2 P17.5 H28.1 mm
Orientation	T > C7.0 > S-1.0
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Phase Oversampling	0 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	7000.0 ms
TE	58.00 ms
Averages	2
Concatenations	1

Contrast - Common

TR	7000.0 ms
TE	58.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	350 ms
Freeze Suppr. Tissue	On
Flip Angle 1	160 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Real

Contrast - Dynamic

Dynamic Mode	Standard
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Contrast - Dynamic

Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
Base Resolution	256
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Self-calibration
Acceleration Factor PE	2
Reference Lines PE	32
Deep Resolve / ID Gain	Off
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	On
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L6.2 P17.5 H28.1 mm
Orientation	T > C7.0 > S-1.0
Phase Encoding Dir.	R >> L
Phase Oversampling	0 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	7000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L6.2 P17.5 H28.1 mm
Orientation	T > C7.0 > S-1.0
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	L0.4 P2.3 F7.9
L	0.4 mm

Geometry - AutoAlign

P	2.3 mm
F	7.9 mm
Initial Orientation	Transversal
Initial Rotation	90.56 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L6.2 P17.5 H28.1 mm
Orientation	T > C7.0 > S-1.0
Rotation	86.20 deg
R >> L	200 mm
A >> P	200 mm
F >> H	147 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	7000.0 ms

Physio - Signal

Concatenations	1
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Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	350 ms
Dark Blood	Off
FOV Read	200 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tir
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	190 Hz/Px
Echo Spacing	9.66 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	9
Echo Trains per Slice	15

Sequence - Part 2

Introduction	On
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	Off
WARP	Off
Red. EC Sensitivity	Off
Acoustic Noise Reduction	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\resolve_DWI_tra *

TA: 3:30 min Coil Selection: Auto Voxel Size: 0.7×0.7×3.5 mm³ Acc:: 2 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Resolution - Common

FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
Base Resolution	136
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Accel. Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	68
Phase Partial Fourier	Off
Readout Partial Fourier	5/8
Readout Segments	5

Routine

Slice Group	1
Slices	42
Distance Factor	0 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Phase Oversampling	0 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	7510.0 ms
TE 1	64 ms
TE 2	105 ms
Concatenations	1

Resolution - Filter

Raw Filter	On
Distortion Correction	2D
Normalize	Prescan
Noise Masking	Off

Geometry - Common

Slice Group	1
Slices	42
Distance Factor	0 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	7510.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Contrast - Common

TR	7510.0 ms
TE 1	64 ms
TE 2	105 ms
MTC	Off
Magn. Preparation	None
Flip Angle	180 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.56 deg

Geometry - Saturation

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.56 deg
A >> P	200 mm
R >> L	200 mm
F >> H	147 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	7510.0 ms
Concatenations	1

Diff

Diffusion Mode	3-Scan Trace
Diff. Directions	3
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	0 s/mm ²

Diff

b-value 2	800 s/mm ²
Averages 1	1
Averages 2	2
Invert Gray Scale	Off
Diff. Weighted Images	Off
Trace Weighted Images	On
Tensor	Off
FA Maps	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm ²
ADC Noise Threshold	50
Noise Masking	Off
Calculated b-value	1500 s/mm ²
Calculated Image	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	resolve
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	613 Hz/Px
Echo Spacing	0.50 ms
Optimization	Min. TE
EPI Factor	68

Sequence - Part 2

Introduction	Off
Reacquisition Mode	On

Sequence - Assistant

SAR Assistant	Off
Optimization	Min. TE

\\Sola_Fit_Bac\EXPORT\neuro\brain_ped\lt2_swi_tra_wave4 *

TA: 3:09 min Coil Selection: Auto Voxel Size: 0.8×0.8×1.8 mm³ Acc:: 4 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Resolution - Common

FOV Read	200 mm
FOV Phase	75.0 %
Slice Thickness	1.80 mm
Base Resolution	256
Phase Resolution	80 %
Slice Resolution	75 %

Resolution - Acceleration

Acceleration Mode	Wave-CAIPI
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	30
Acceleration Factor 3D	2
Reference Lines 3D	30

Resolution - Filter

Distortion Correction	2D
Normalize	Prescan

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L4.1 P59.1 H14.8 mm
Orientation	T > C-11.3
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Slices per Slab	64
Phase Oversampling	0 %
FOV Read	200 mm
FOV Phase	75.0 %
Slice Thickness	1.80 mm
TR	49.0 ms
TE	40.00 ms
Averages	2
Concatenations	1

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L4.1 P59.1 H14.8 mm
Orientation	T > C-11.3
Phase Encoding Dir.	R >> L
Slices per Slab	64
Phase Oversampling	0 %
FOV Read	200 mm
FOV Phase	75.0 %
Slice Thickness	1.80 mm
TR	49.0 ms
Multi-Slice Mode	Sequential
Series	Interleaved
Concatenations	1

Contrast - Common

TR	49.0 ms
TE	40.00 ms
Magn. Preparation	None
Flip Angle	15 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	On
Reconstruction	Magn./Phase

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - AutoAlign

Slab Group	1
Position	L4.1 P59.1 H14.8 mm
Orientation	T > C-11.3
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	L4.1 P59.1 H14.8
L	4.1 mm
P	59.1 mm
H	14.8 mm
Initial Orientation	T > C
T > C	-11.30
> S	0.00
Initial Rotation	90.91 deg

Geometry - Saturation

Saturation Mode	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	15 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Sum of Squares
Matrix Optimization	Performance
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L4.1 P59.1 H14.8 mm
Orientation	T > C-11.3
Rotation	90.91 deg
R >> L	150 mm
A >> P	200 mm
F >> H	116 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	swiW_r
Dimension	3D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	On
Bandwidth	100 Hz/Px

Sequence - Part 1

Segments	1
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Sequence - Part 2

Introduction	On
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Sequence - Assistant

SAR Assistant	Off
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\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\AAhead_scout *

TA: 19 sec Coil Selection: Auto Voxel Size: 1.6×1.6×1.6 mm³ Acc:: 3 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	Off
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	On
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Resolution - Common

FOV Read	260 mm
FOV Phase	100.0 %
Slice Thickness	1.6 mm
Base Resolution	160
Phase Resolution	100 %
Slice Resolution	69 %
Trajectory	Cartesian

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	24
Acceleration Factor 3D	1
Phase Partial Fourier	6/8
Slice Partial Fourier	6/8
Asymmetric Echo	Weak

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Slices per Slab	128
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	260 mm
FOV Phase	100.0 %
Slice Thickness	1.6 mm
TR	4.52 ms
TE	2.38 ms
Averages	1
Concatenations	1
AutoAlign	Head

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	3D
Normalize	Prescan
Noise Masking	Off
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Slices per Slab	128
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	260 mm
FOV Phase	100.0 %
Slice Thickness	1.6 mm
TR	4.52 ms
Multi-Slice Mode	Sequential
Series	Ascending
Concatenations	1

Contrast - Common

TR	4.52 ms
TE	2.38 ms
Flip Angle	8 deg
Fat-Water Contrast	Standard
Contrasts	1
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Time to Center	8.2 s

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Initial Position	Isocenter

Geometry - AutoAlign

L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
AutoAlign	Head

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
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Inline - Subtraction

Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off
AutoAlign MPR	On

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	8 deg
Measurements	1
Contrasts	1
TE	2.38 ms
TR	4.52 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
-----------	------

Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Non-sel.
RF Pulse Type	Fast
Gradient Mode	Normal
Bandwidth	540 Hz/Px
Asymmetric Echo	Weak

Sequence - Part 2

Introduction	On
RF Spoiling	On
Breast Application	Off
Phase Enc. Order	Automatic

Sequence - Assistant

SAR Assistant	Off
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\\Sola_Fit_Bac\EXPORT\neuro\brain_pedilt2_tse_tra_DRB *

TA: 1:23 min Coil Selection: Auto Voxel Size: 0.3x0.3x4.0 mm³ Acc:: 4 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	36
Distance Factor	0 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Phase Oversampling	100 %
FOV Read	210 mm
FOV Phase	90.9 %
Slice Thickness	4.0 mm
TR	3350.0 ms
TE	93.00 ms
Averages	1
Concatenations	2

Contrast - Common

TR	3350.0 ms
TE	93.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	130 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Each Measurement
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Resolution - Common

FOV Read	210 mm
FOV Phase	90.9 %
Slice Thickness	4.0 mm
Base Resolution	416
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	64
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	36
Distance Factor	0 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
Phase Oversampling	100 %
FOV Read	210 mm
FOV Phase	90.9 %
Slice Thickness	4.0 mm
TR	3350.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	R0.0 A0.0 H0.0
R	0.0 mm
A	0.0 mm

Geometry - AutoAlign

H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	90.01 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3350.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	210 mm
FOV Phase	90.9 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tseR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	204 Hz/Px
Echo Spacing	8.48 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	20
Echo Trains per Slice	10

Sequence - Part 2

Introduction	Off
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off

Sequence - Part 2

WARP	Off
Red. EC Sensitivity	Off
Acoustic Noise Reduction	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	5000.0 ms
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\t2_space_flair_sag_fs *

TA: 5:05 min Coil Selection: Auto Voxel Size: 0.5×0.5×0.9 mm³ Acc:: 2 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	1st Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off
Reordering	Linear

Resolution - Common

FOV Read	256 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
Base Resolution	256
Phase Resolution	100 %
Slice Resolution	66 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
Total Factor	2
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	1
Reordering Shift 3D	0
Deep Resolve / ID Gain	Off
Phase Partial Fourier	Allowed
Slice Partial Fourier	Off
Elliptical Scanning	On

Resolution - Filter

Raw Filter	On
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	On

Routine

Slab Group	1
Slabs	1
Position	R0.7 P4.8 F27.5 mm
Orientation	S > T-3.1 > C-0.5
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Slices per Slab	192
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	256 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
TR	5000.0 ms
TE	397.00 ms
Averages	1.0
Concatenations	1

Contrast - Common

TR	5000.0 ms
TE	397.00 ms
MTC Mode	Off
Magn. Preparation	Non-sel. T2 prep. IR
TI	1600 ms
T2 Prep. Duration	125 ms
Flip Angle Mode	T2 Var
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Dark Blood	Off
Blood Suppression	Off
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - Common

Slab Group	1
Slabs	1
Position	R0.7 P4.8 F27.5 mm
Orientation	S > T-3.1 > C-0.5
Phase Encoding Dir.	A >> P
Slices per Slab	192
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	256 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
TR	5000.0 ms
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	R0.7 P4.8 F27.5 mm
Orientation	S > T-3.1 > C-0.5
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	L0.0 P0.4 F34.2
L	0.0 mm
P	0.4 mm
F	34.2 mm
Initial Orientation	Sagittal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	28 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Performance
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	R0.7 P4.8 F27.5 mm
Orientation	S > T-3.1 > C-0.5
Rotation	2.57 deg
A >> P	256 mm
F >> H	256 mm
R >> L	173 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
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System - Tx/Rx

? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000
Gain	High

Physio - Signal

1st Signal/Mode	None
Trigger Delay	0 ms
TR	5000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	Non-sel. T2 prep. IR
TI	1600 ms
T2 Prep. Duration	125 ms
Dark Blood	Off
FOV Read	256 mm
FOV Phase	100.0 %
Phase Resolution	100 %

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	spcir
Dimension	3D
Excitation	Non-sel.
RF Pulse Type	Fast
Gradient Mode	Fast

Sequence - Part 1

Flow Compensation	None
Reordering	Linear
Bandwidth	592 Hz/Px
Echo Spacing	3.48 ms
Turbo Factor	238
Echo Train Duration	807 ms

Sequence - Part 2

Introduction	Off
Incr. Gradient Spoiling	Off

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedilt1_mprage_sag *

TA: 4:26 min Coil Selection: Auto Voxel Size: 0.5×0.5×1.0 mm³ Acc:: 2 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	1st Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Distance Factor	50 %
Position	L1.7 A3.6 F15.7 mm
Orientation	S > C-4.3 > T-0.9
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Slices per Slab	192
Phase Oversampling	0 %
Slice Oversampling	25.0 %
FOV Read	256 mm
FOV Phase	100.0 %
Slice Thickness	1.00 mm
TR	1900.0 ms
TE	2.36 ms
Averages	1
Concatenations	1

Contrast - Common

TR	1900.0 ms
TE	2.36 ms
Magn. Preparation	Non-sel. IR
TI	900 ms
Flip Angle	10 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Contrast - Dynamic

Reordering	Linear
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Resolution - Common

FOV Read	256 mm
FOV Phase	100.0 %
Slice Thickness	1.00 mm
Base Resolution	256
Phase Resolution	100 %
Slice Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	1
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Allowed
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	On
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	On

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	50 %
Position	L1.7 A3.6 F15.7 mm
Orientation	S > C-4.3 > T-0.9
Phase Encoding Dir.	A >> P
Slices per Slab	192
Phase Oversampling	0 %
Slice Oversampling	25.0 %
FOV Read	256 mm
FOV Phase	100.0 %
Slice Thickness	1.00 mm
TR	1900.0 ms
Multi-Slice Mode	Single Shot
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L1.7 A3.6 F15.7 mm

Geometry - AutoAlign

Orientation	S > C-4.3 > T-0.9
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	L0.0 A4.9 F27.7
L	0.0 mm
A	4.9 mm
F	27.7 mm
Initial Orientation	Sagittal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Tim Planning Suite**

Set-n-Go Protocol	Off
Table Position	16 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Performance
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	1900.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Non-sel. IR
TI	900 ms
Dark Blood	Off
FOV Read	256 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	10 deg
Measurements	1
Contrasts	1
TE	2.36 ms
TR	1900.0 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tfl
Dimension	3D
Excitation	Non-sel.

Sequence - Part 1

RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Reordering	Linear
Bandwidth	180 Hz/Px
Echo Spacing	7.04 ms
Asymmetric Echo	Allowed
Turbo Factor	240

Sequence - Part 2

Introduction	On
RF Spoiling	On
Incr. Gradient Spoiling	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
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\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\resolve_DWI_tra *

TA: 3:47 min Coil Selection: Auto Voxel Size: 0.7×0.7×4.0 mm³ Acc:: 2 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Resolution - Common

FOV Read	210 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	144
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Accel. Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	72
Phase Partial Fourier	Off
Readout Partial Fourier	5/8
Readout Segments	5

Routine

Slice Group	1
Slices	36
Distance Factor	0 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Phase Oversampling	0 %
FOV Read	210 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	8120.0 ms
TE 1	60 ms
TE 2	92 ms
Concatenations	1

Resolution - Filter

Raw Filter	On
Distortion Correction	2D
Normalize	Prescan
Noise Masking	Off

Geometry - Common

Slice Group	1
Slices	36
Distance Factor	0 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	210 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	8120.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Contrast - Common

TR	8120.0 ms
TE 1	60 ms
TE 2	92 ms
MTC	Off
Magn. Preparation	None
Flip Angle	180 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	L0.0 P0.0 H0.0
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	210 mm
R >> L	210 mm
F >> H	144 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	8120.0 ms
Concatenations	1

Diff

Diffusion Mode	3-Scan Trace
Diff. Directions	3
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	0 s/mm ²

Diff

b-value 2	1000 s/mm ²
Averages 1	1
Averages 2	2
Invert Gray Scale	Off
Diff. Weighted Images	Off
Trace Weighted Images	On
Tensor	Off
FA Maps	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm ²
ADC Noise Threshold	50
Noise Masking	Off
Calculated b-value	1500 s/mm ²
Calculated Image	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	resolve
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	914 Hz/Px
Echo Spacing	0.36 ms
Optimization	Min. TE
EPI Factor	72

Sequence - Part 2

Introduction	Off
Reacquisition Mode	On

Sequence - Assistant

SAR Assistant	Off
Optimization	Min. TE

\\Sola_Fit_Bac\EXPORT\neuro\brain_ped\lt2_swi_tra_wave4 *

TA: 2:28 min Coil Selection: Auto Voxel Size: 0.9×0.9×2.0 mm³ Acc:: 4 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Resolution - Common

FOV Read	230 mm
FOV Phase	93.8 %
Slice Thickness	2.00 mm
Base Resolution	256
Phase Resolution	80 %
Slice Resolution	75 %

Resolution - Acceleration

Acceleration Mode	Wave-CAIPI
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	30
Acceleration Factor 3D	2
Reference Lines 3D	30

Resolution - Filter

Distortion Correction	2D
Normalize	Prescan

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Slices per Slab	80
Phase Oversampling	0 %
FOV Read	230 mm
FOV Phase	93.8 %
Slice Thickness	2.00 mm
TR	49.0 ms
TE	40.00 ms
Averages	1
Concatenations	1

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
Slices per Slab	80
Phase Oversampling	0 %
FOV Read	230 mm
FOV Phase	93.8 %
Slice Thickness	2.00 mm
TR	49.0 ms
Multi-Slice Mode	Sequential
Series	Interleaved
Concatenations	1

Contrast - Common

TR	49.0 ms
TE	40.00 ms
Magn. Preparation	None
Flip Angle	15 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	On
Reconstruction	Magn./Phase

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	R0.0 A0.0 H0.0
R	0.0 mm
A	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	90.00 deg

Geometry - Saturation

Saturation Mode	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Sum of Squares
Matrix Optimization	Performance
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	90.00 deg
R >> L	216 mm
A >> P	230 mm
F >> H	160 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	swiW_r
Dimension	3D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	On
Bandwidth	100 Hz/Px

Sequence - Part 1

Segments	1
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Sequence - Part 2

Introduction	On
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Sequence - Assistant

SAR Assistant	Off
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\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\t2_space_flair_sag_DRB_fs *

TA: 3:40 min Coil Selection: Auto Voxel Size: 0.5×0.5×0.5 mm³ Acc:: 6 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	1st Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off
Reordering	Linear

Resolution - Common

FOV Read	246 mm
FOV Phase	100.0 %
Slice Thickness	0.45 mm
Base Resolution	272
Phase Resolution	100 %
Slice Resolution	50 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
Total Factor	6
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	3
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Elliptical Scanning	On

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Routine

Slab Group	1
Slabs	1
Position	L6.5 A4.8 F17.1 mm
Orientation	S > T-2.2 > C0.8
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Slices per Slab	384
Phase Oversampling	5 %
Slice Oversampling	0.0 %
FOV Read	246 mm
FOV Phase	100.0 %
Slice Thickness	0.45 mm
TR	5000.0 ms
TE	373.00 ms
Averages	1.0
Concatenations	1

Contrast - Common

TR	5000.0 ms
TE	373.00 ms
MTC Mode	Weak
Magn. Preparation	Non-sel. T2 prep. IR
TI	1680 ms
T2 Prep. Duration	125 ms
Flip Angle Mode	T2 Var
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Dark Blood	Off
Blood Suppression	Off
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - Common

Slab Group	1
Slabs	1
Position	L6.5 A4.8 F17.1 mm
Orientation	S > T-2.2 > C0.8
Phase Encoding Dir.	A >> P
Slices per Slab	384
Phase Oversampling	5 %
Slice Oversampling	0.0 %
FOV Read	246 mm
FOV Phase	100.0 %
Slice Thickness	0.45 mm
TR	5000.0 ms
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L6.5 A4.8 F17.1 mm
Orientation	S > T-2.2 > C0.8
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	L0.0 A3.3 F32.0
L	0.0 mm
A	3.3 mm
F	32.0 mm
Initial Orientation	Sagittal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L6.5 A4.8 F17.1 mm
Orientation	S > T-2.2 > C0.8
Rotation	-2.16 deg
A >> P	246 mm
F >> H	246 mm
R >> L	173 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
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System - Tx/Rx

? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000
Gain	High

Physio - Signal

1st Signal/Mode	None
Trigger Delay	0 ms
TR	5000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	Non-sel. T2 prep. IR
TI	1680 ms
T2 Prep. Duration	125 ms
Dark Blood	Off
FOV Read	246 mm
FOV Phase	100.0 %
Phase Resolution	100 %

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	spcir
Dimension	3D
Excitation	Non-sel.
RF Pulse Type	Fast
Gradient Mode	Fast

Sequence - Part 1

Flow Compensation	None
Reordering	Linear
Bandwidth	593 Hz/Px
Echo Spacing	3.66 ms
Turbo Factor	182
Echo Train Duration	662 ms

Sequence - Part 2

Introduction	Off
Incr. Gradient Spoiling	Off

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_ped\lt1_space_DRB_sag *

TA: 3:27 min Coil Selection: Auto Voxel Size: 0.5×0.5×0.5 mm³ Acc:: 4 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	1st Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Position	L0.0 A0.4 F32.7 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Slices per Slab	416
Phase Oversampling	10 %
Slice Oversampling	7.7 %
FOV Read	245 mm
FOV Phase	100.0 %
Slice Thickness	0.46 mm
TR	500.0 ms
TE	14.00 ms
Averages	1.0
Concatenations	1

Contrast - Common

TR	500.0 ms
TE	14.00 ms
MTC Mode	Off
Magn. Preparation	None
Flip Angle Mode	T1 Var
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Blood Suppression	Off
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
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Contrast - Dynamic

Measurements	1
Multiple Series	Each Measurement
Reordering	Radial

Resolution - Common

FOV Read	245 mm
FOV Phase	100.0 %
Slice Thickness	0.46 mm
Base Resolution	272
Phase Resolution	100 %
Slice Resolution	51 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
Total Factor	4
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	2
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	On
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Position	L0.0 A0.4 F32.7 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Slices per Slab	416
Phase Oversampling	10 %
Slice Oversampling	7.7 %
FOV Read	245 mm
FOV Phase	100.0 %
Slice Thickness	0.46 mm
TR	500.0 ms
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L0.0 A0.4 F32.7 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	R0.0 A0.4 F32.7
R	0.0 mm
A	0.4 mm
F	32.7 mm
Initial Orientation	Sagittal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	33 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
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System - Tx/Rx

? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000
Gain	High

Physio - Signal

1st Signal/Mode	None
Trigger Delay	0 ms
TR	500.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	245 mm
FOV Phase	100.0 %
Phase Resolution	100 %

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	spcR
Dimension	3D
Excitation	Non-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Reordering	Radial

Sequence - Part 1

Bandwidth	634 Hz/Px
Echo Spacing	3.54 ms
Turbo Factor	42
Echo Train Duration	152 ms

Sequence - Part 2

Introduction	Off
Incr. Gradient Spoiling	Off

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\flow_pc3d_sag_v10 *

TA: 6:08 min Coil Selection: Auto Voxel Size: 0.6×0.6×0.9 mm³ Acc:: 2 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Resolution - Common

FOV Phase	100.0 %
Slice Thickness	0.90 mm
Base Resolution	128
Phase Resolution	75 %
Slice Resolution	50 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	1
Phase Partial Fourier	Off
Asymmetric Echo	Off
Elliptical Scanning	Off

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L2.1 P62.0 H15.9 mm
Orientation	S > T5.8 > C2.3
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Slices per Slab	176
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	150 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
TR	69.7 ms
TE	8.83 ms
Averages	1
Concatenations	1

Resolution - Filter

Raw Filter	Off
Elliptical Filter	On
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L2.1 P62.0 H15.9 mm
Orientation	S > T5.8 > C2.3
Phase Encoding Dir.	A >> P
Slices per Slab	176
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	150 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
TR	69.7 ms
Multi-Slice Mode	Sequential
Series	Interleaved
Concatenations	1

Contrast - Common

TR	69.7 ms
TE	8.83 ms
Flip Angle	12 deg
Contrasts	1
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	150 mm
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Geometry - AutoAlign

Slab Group	1
Position	L2.1 P62.0 H15.9 mm
Orientation	S > T5.8 > C2.3
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	R0.0 A10.0 F8.2
R	0.0 mm

Geometry - AutoAlign

A	10.0 mm
F	8.2 mm
Initial Orientation	Sagittal
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Region	1
Thickness	140.00 mm
Position	R14.1 P79.5 F149.1 mm
Orientation	T > C-17.2 > S-7.3
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	69.7 ms
Segments	1
Concatenations	1

Flow

Flow Mode	Single Vel.
Encodings	3
Velocity Enc.	10 cm/s
Direction 1	Through Plane
Direction 2	A >> P
Direction 3	F >> H
Rephased Images	On
Magnitude Images	Off
Magnitude Sum	On
Phase Images	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	On
MIP Cor	Off
MIP Tra	On
MIP Time	Off
Radial MIP	On
Number of Radial Views	45
Axis of Radial Views	H-F
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	pc
Dimension	3D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	651 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	Off
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Sequence - Part 2

RF Spoiling	On
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Sequence - Assistant

SAR Assistant	Off
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\\Sola_Fit_Bac\EXPORT\neuro\brain_pedilt2_ciss3d_sag_iso *

TA: 2:05 min Coil Selection: Auto Voxel Size: 0.4×0.4×0.4 mm³ Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L10.6 P59.7 F25.0 mm
Orientation	S > T-3.6 > C0.1
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Slices per Slab	88
Phase Oversampling	0 %
Slice Oversampling	27.3 %
FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	0.35 mm
TR	5.48 ms
TE	2.50 ms
Averages	1

Contrast - Common

TR	5.48 ms
TE	2.50 ms
Flip Angle	69 deg
Fat-Water Contrast	Standard
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	192 mm
FOV Phase	100.0 %

Resolution - Common

Slice Thickness	0.35 mm
Base Resolution	256
Phase Resolution	90 %
Slice Resolution	50 %
Interpolation	On

Resolution - Acceleration

Phase Partial Fourier	7/8
Slice Partial Fourier	Off
Asymmetric Echo	Allowed
Elliptical Scanning	On

Resolution - Filter

Raw Filter	On
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	On

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L10.6 P59.7 F25.0 mm
Orientation	S > T-3.6 > C0.1
Phase Encoding Dir.	A >> P
Slices per Slab	88
Phase Oversampling	0 %
Slice Oversampling	27.3 %
FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	0.35 mm
TR	5.48 ms
Multi-Slice Mode	Sequential
Series	Ascending

Geometry - AutoAlign

Slab Group	1
Position	L10.6 P59.7 F25.0 mm
Orientation	S > T-3.6 > C0.1
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	L10.6 P59.7 F25.0
L	10.6 mm
P	59.7 mm
F	25.0 mm
Initial Orientation	S > T
S > T	-3.60
> C	0.10
Initial Rotation	-7.02 deg

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L10.6 P59.7 F25.0 mm
Orientation	S > T-3.6 > C0.1
Rotation	-7.02 deg
A >> P	192 mm
F >> H	192 mm
R >> L	31 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - PACE

Resp. Control	Off
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Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off

Inline - MIP

Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	ci
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	425 Hz/Px
Asymmetric Echo	Allowed
Segments	1

Sequence - Part 2

Introduction	On
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Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	60 deg

\\Sola_Fit_Bac\EXPORT\neuro\brain_ped\lt2_space_sag_DRB *

TA: 2:45 min Coil Selection: Auto Voxel Size: 0.4x0.4x0.4 mm³ Acc:: 4 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Position	L10.6 P54.6 F25.6 mm
Orientation	S > T-3.6 > C0.1
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Slices per Slab	416
Phase Oversampling	0 %
Slice Oversampling	7.7 %
FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	0.43 mm
TR	3200.0 ms
TE	404.00 ms
Averages	1.0
Concatenations	1

Contrast - Common

TR	3200.0 ms
TE	404.00 ms
MTC Mode	Off
Magn. Preparation	None
Flip Angle Mode	T2 Var
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Blood Suppression	Off
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
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Contrast - Dynamic

Measurements	1
Multiple Series	Off
Reordering	Linear

Resolution - Common

FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	0.43 mm
Base Resolution	240
Phase Resolution	100 %
Slice Resolution	51 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
Total Factor	4
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	2
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Elliptical Scanning	On

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Position	L10.6 P54.6 F25.6 mm
Orientation	S > T-3.6 > C0.1
Phase Encoding Dir.	A >> P
Slices per Slab	416
Phase Oversampling	0 %
Slice Oversampling	7.7 %
FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	0.43 mm
TR	3200.0 ms
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L10.6 P54.6 F25.6 mm
Orientation	S > T-3.6 > C0.1
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	L10.6 P54.6 F25.6
L	10.6 mm
P	54.6 mm
F	25.6 mm
Initial Orientation	S > T
S > T	-3.60
> C	0.10
Initial Rotation	-7.02 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000
Gain	High

Physio - Signal

1st Signal/Mode	None
Trigger Delay	0 ms
TR	3200.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	192 mm
FOV Phase	100.0 %
Phase Resolution	100 %

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	spcR
Dimension	3D
Excitation	Non-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None

Sequence - Part 1

Reordering	Linear
Bandwidth	672 Hz/Px
Echo Spacing	3.54 ms
Turbo Factor	218
Echo Train Duration	775 ms

Sequence - Part 2

Introduction	Off
Incr. Gradient Spoiling	Off

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	25 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedi\t2_space_sag_DRB_FAST *

TA: 1:25 min Coil Selection: Auto Voxel Size: 0.4×0.4×0.7 mm³ Acc:: 4 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Position	R12.3 P68.2 H0.7 mm
Orientation	S > C12.9 > T0.6
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Slices per Slab	176
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	0.70 mm
TR	3000.0 ms
TE	406.00 ms
Averages	1.4
Concatenations	1

Contrast - Common

TR	3000.0 ms
TE	406.00 ms
MTC Mode	Off
Magn. Preparation	None
Flip Angle Mode	T2 Var
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Blood Suppression	Off
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
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Contrast - Dynamic

Measurements	1
Multiple Series	Off
Reordering	Linear

Resolution - Common

FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	0.70 mm
Base Resolution	272
Phase Resolution	85 %
Slice Resolution	51 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
Total Factor	4
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	2
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Elliptical Scanning	On

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Position	R12.3 P68.2 H0.7 mm
Orientation	S > C12.9 > T0.6
Phase Encoding Dir.	A >> P
Slices per Slab	176
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	192 mm
FOV Phase	100.0 %
Slice Thickness	0.70 mm
TR	3000.0 ms
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	R12.3 P68.2 H0.7 mm
Orientation	S > C12.9 > T0.6
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	R12.3 P68.2 H0.7
R	12.3 mm
P	68.2 mm
H	0.7 mm
Initial Orientation	S > C
S > C	12.90
> T	0.60
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000
Gain	High

Physio - Signal

1st Signal/Mode	None
Trigger Delay	0 ms
TR	3000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	192 mm
FOV Phase	100.0 %
Phase Resolution	85 %

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	spcR
Dimension	3D
Excitation	Non-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None

Sequence - Part 1

Reordering	Linear
Bandwidth	707 Hz/Px
Echo Spacing	3.66 ms
Turbo Factor	218
Echo Train Duration	802 ms

Sequence - Part 2

Introduction	Off
Incr. Gradient Spoiling	Off

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	25 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_ped\TOF_tra *

TA: 3:34 min Coil Selection: Auto Voxel Size: 0.3x0.3x0.5 mm³ Acc:: 3.3 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off
Reordering	Linear

Contrast - Angio

Flow Direction	F >> H
TONE Ramp	70 %

Resolution - Common

FOV Read	147 mm
FOV Phase	90.6 %
Slice Thickness	0.50 mm
Base Resolution	256
Phase Resolution	99 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	2.00

Routine

Slab Group	1
Slabs	4
Distance Factor	-40 %
Position	L2.4 P62.1 H13.1 mm
Orientation	T > C-15.8 > S-6.2
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Slices per Slab	40
Phase Oversampling	0 %
Slice Oversampling	20.0 %
FOV Read	147 mm
FOV Phase	90.6 %
Slice Thickness	0.50 mm
TR	26.15 ms
TE	7.12 ms
Averages	1
Concatenations	4

Resolution - Acceleration

Acceleration Mode	CS
Total Factor	3.3
Reference Scans	Integrated
Reference Lines PE	24
Reference Lines 3D	32
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Weak
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	On
Elliptical Filter	Off
POCS	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	On

Contrast - Common

TR	26.15 ms
TE	7.12 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle	20 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - Common

Slab Group	1
Slabs	4
Distance Factor	-40 %
Position	L2.4 P62.1 H13.1 mm
Orientation	T > C-15.8 > S-6.2
Phase Encoding Dir.	R >> L
Slices per Slab	40
Phase Oversampling	0 %
Slice Oversampling	20.0 %
FOV Read	147 mm
FOV Phase	90.6 %

Geometry - Common

Slice Thickness	0.50 mm
TR	26.15 ms
Multi-Slice Mode	Sequential
Series	Descending
Concatenations	4

Geometry - AutoAlign

Slab Group	1
Position	L2.4 P62.1 H13.1 mm
Orientation	T > C-15.8 > S-6.2
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	L0.6 A9.9 F10.9
L	0.6 mm
A	9.9 mm
F	10.9 mm
Initial Orientation	T > C
T > C	-16.00
> S	0.00
Initial Rotation	88.71 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	Tracking H
Gap	10.00 mm
Thickness	40.00 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Performance
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	26.15 ms
Segments	1
Concatenations	4

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	147 mm
FOV Phase	90.6 %
Phase Resolution	99 %
Cine	Off
Trajectory	Cartesian
Dummy Heartbeats	1

Physio - PACE

Resp. Control	Off
Concatenations	4

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - Cardiac

Inline Evaluation	Off
Magn. Preparation	None
Save Original Images	On
Contrasts	1
TE	7.12 ms
TR	26.15 ms

Inline - MIP

MIP Sag	On
MIP Cor	On
MIP Tra	On

Inline - MIP

MIP Time	Off
Radial MIP	On
Number of Radial Views	12
Axis of Radial Views	H-F
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	fl_r
Dimension	3D
Sequence Type	Gre
Excitation	TONE
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	Slice/Read
Reordering	Linear
Bandwidth	99 Hz/Px
Echo Spacing	15.27 ms
Asymmetric Echo	Weak
Optimization	None
Define	Segments
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On
Phase Enc. Rewinder	On

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	15 deg
Allowed Delay	0 s
Optimization	None

\\Sola_Fit_Bac\EXPORT\neuro\brain_pedilt2_haste_tra_DRB *

TA: 1:08 min Coil Selection: Auto Voxel Size: 0.4×0.4×4.0 mm³ Acc:: 4 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	34
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Phase Oversampling	100 %
FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	2000.0 ms
TE	102.00 ms
Averages	1
Concatenations	1

Contrast - Common

TR	2000.0 ms
TE	102.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off
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Resolution - Common

FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	288
Phase Resolution	100 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	30
Deep Resolve / ID Gain	On
Phase Partial Fourier	5/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	34
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	100 %
FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	2000.0 ms
Multi-Slice Mode	Single Shot
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	R0.0 P0.0 H0.0
R	0.0 mm
P	0.0 mm

Geometry - AutoAlign

H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	2000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	230 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	hR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	723 Hz/Px
Echo Spacing	3.78 ms
Turbo Factor	288

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	140 deg
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neurobrain_pedilt2_haste_cor_DRB *

TA: 1:08 min Coil Selection: Auto Voxel Size: 0.4×0.4×4.0 mm³ Acc:: 4 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	2nd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	34
Distance Factor	20 %
Position	R12.0 P7.0 F15.7 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Phase Oversampling	100 %
FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	2000.0 ms
TE	102.00 ms
Averages	1
Concatenations	1

Contrast - Common

TR	2000.0 ms
TE	102.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off
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Resolution - Common

FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	288
Phase Resolution	100 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	30
Deep Resolve / ID Gain	On
Phase Partial Fourier	5/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	34
Distance Factor	20 %
Position	R12.0 P7.0 F15.7 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	100 %
FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	2000.0 ms
Multi-Slice Mode	Single Shot
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R12.0 P7.0 F15.7 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	R12.0 P7.0 F15.7
R	12.0 mm
P	7.0 mm

Geometry - AutoAlign

F	15.7 mm
Initial Orientation	Coronal
Initial Rotation	-1.52 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	16 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	2000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	230 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	hR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	723 Hz/Px
Echo Spacing	3.78 ms
Turbo Factor	288

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	140 deg
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\neuro\brain_ped\lt2_haste_sag_DRB *

TA: 1:08 min Coil Selection: Auto Voxel Size: 0.4×0.4×4.0 mm³ Acc:: 4 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	1st Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	34
Distance Factor	20 %
Position	L0.0 A4.3 F24.5 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Phase Oversampling	100 %
FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	2000.0 ms
TE	102.00 ms
Averages	1
Concatenations	1

Contrast - Common

TR	2000.0 ms
TE	102.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off
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Resolution - Common

FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	288
Phase Resolution	100 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	30
Deep Resolve / ID Gain	On
Phase Partial Fourier	5/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	34
Distance Factor	20 %
Position	L0.0 A4.3 F24.5 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Phase Oversampling	100 %
FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	2000.0 ms
Multi-Slice Mode	Single Shot
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A4.3 F24.5 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	L0.0 A4.3 F24.5
L	0.0 mm
A	4.3 mm

Geometry - AutoAlign

F	24.5 mm
Initial Orientation	Sagittal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	24 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	2000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	230 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	hR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	723 Hz/Px
Echo Spacing	3.78 ms
Turbo Factor	288

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	140 deg
Allowed Delay	30 s