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Head

Epilepsy

sola_xa61_Brain under 6months

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\\User\Head\Epilepsy\isola_xa61_Brain under 6months\localizer_quiet *

TA: 16 sec Coil Selection: Auto Voxel Size: 0.5×0.5×8.0 mm³ Acc:: None Rel. SNR: 1.00

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	On
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
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	1
Distance Factor	20 %
Position	L1.3 P56.0 H0.0 mm
Orientation	S > C-5.2
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	1
Distance Factor	20 %
Position	L1.3 P56.0 H0.0 mm
Orientation	S > C-5.2
Phase Encoding Dir.	A >> P
Slice Group	3
Slices	1
Distance Factor	20 %
Position	L1.3 P56.0 H0.0 mm
Orientation	S > C-5.2
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	260 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	13.0 ms
TE	2.90 ms
Averages	2
Concatenations	3
AutoAlign	---

Contrast - Common

TR	13.0 ms
TE	2.90 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle	20 deg

Contrast - Common

Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	260 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
Base Resolution	256
Phase Resolution	75 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	None
Phase Partial Fourier	Off
Asymmetric Echo	Allowed

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	1
Distance Factor	20 %
Position	L1.3 P56.0 H0.0 mm
Orientation	S > C-5.2
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	1
Distance Factor	20 %
Position	L1.3 P56.0 H0.0 mm
Orientation	S > C-5.2
Phase Encoding Dir.	A >> P
Slice Group	3
Slices	1
Distance Factor	20 %
Position	L1.3 P56.0 H0.0 mm
Orientation	S > C-5.2
Phase Encoding Dir.	A >> P

Geometry - Common

Phase Oversampling	0 %
FOV Read	260 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	13.0 ms
Multi-Slice Mode	Sequential
Series	Interleaved
Concatenations	3

Geometry - AutoAlign

Slice Group	1
Position	L1.3 P56.0 H0.0 mm
Orientation	S > C-5.2
Phase Encoding Dir.	A >> P
Slice Group	2
Position	L1.3 P56.0 H0.0 mm
Orientation	S > C-5.2
Phase Encoding Dir.	A >> P
Slice Group	3
Position	L1.3 P56.0 H0.0 mm
Orientation	S > C-5.2
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L1.3 P56.0 H0.0
L	1.3 mm
P	56.0 mm
H	0.0 mm
Initial Orientation	S > C
S > C	-5.20
> T	0.00
Initial Rotation	0.00 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	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	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	13.0 ms
Segments	1
Concatenations	3

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	260 mm
FOV Phase	100.0 %
Phase Resolution	75 %

Physio - PACE

Resp. Control	Off
Concatenations	3

Inline - Liver

Liver Registration	Off
Save Original Images	On

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
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Inline - MIP

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 - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	20 deg
Measurements	1
Contrasts	1
TE	2.90 ms
TR	13.0 ms
Save Original Images	On

Sequence - Part 1

Sequence Name	qfl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Fast
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	320 Hz/Px
Asymmetric Echo	Allowed
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On
Acoustic noise reduction	On

Sequence - Assistant

SAR Assistant	Off
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\\User\Head\Epilepsy\sola_xa61_Brain under 6months\q_t2_tse_tra_Blade *

TA: 2:31 min Coil Selection: Auto Voxel Size: 0.8×0.8×3.5 mm³ Acc:: 2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Resolution - Common

FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
Base Resolution	256
Trajectory	BLADE
BLADE Coverage	109.1 %

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	8
Ramp Sampling	Off

Routine

Slice Group	1
Slices	32
Distance Factor	10 %
Position	R14.0 P27.8 H9.4 mm
Orientation	T > C-6.8 > S-4.4
Phase Encoding Dir.	R >> L
Phase Oversampling	25.0 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	5740.0 ms
TE	159.00 ms
Concatenations	2
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	32
Distance Factor	10 %
Position	R14.0 P27.8 H9.4 mm
Orientation	T > C-6.8 > S-4.4
Phase Encoding Dir.	R >> L
Phase Oversampling	25.0 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	5740.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Contrast - Common

TR	5740.0 ms
TE	159.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Wrap-up Magn.	Restore

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement
Reordering	Linear

Geometry - AutoAlign

Slice Group	1
Position	R14.0 P27.8 H9.4 mm
Orientation	T > C-6.8 > S-4.4
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	R14.0 P27.8 H9.4
R	14.0 mm
P	27.8 mm
H	9.4 mm
Initial Orientation	T > C
T > C	-6.80
> S	-4.40
Initial Rotation	90.00 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	R14.0 P27.8 H9.4 mm
Orientation	T > C-6.8 > S-4.4
Rotation	90.00 deg
R >> L	200 mm
A >> P	200 mm
F >> H	123 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	5740.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off

Physio - Cardiac

FOV Read	200 mm
FOV Phase	100.0 %
BLADE Coverage	109.1 %
Trajectory	BLADE
Motion Correction	On

Physio - PACE

Resp. Control	Off
Concatenations	2

Diff

Diffusion Mode	None
Averages	1
Invert Gray Scale	Off
Diff. Weighted Images	Off
Trace Weighted Images	Off
Tensor	Off
FA Maps	Off
ADC Maps	Off
Exponential ADC Maps	Off
Calculated Image	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	On
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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Sequence - Part 1

Sequence Name	qtseBNR
RF Pulse Type	Low SAR
Gradient Mode	Whisper
Flow Compensation	None
Reordering	Linear
Bandwidth	190 Hz/Px
Echo Spacing	11.4 ms
Free Echo Spacing	On
Turbo Factor	27
EPI Factor	1

Sequence - Part 2

Introduction	On
Fast Mode	Off
Acoustic noise reduction	On
Motion Correction	On

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	130 deg
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\q_t2_tse_cor_Blade *

TA: 2:23 min Coil Selection: Auto Voxel Size: 0.8×0.8×3.5 mm³ Acc:: 2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Resolution - Common

FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
Base Resolution	256
Trajectory	BLADE
BLADE Coverage	109.1 %

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	8
Ramp Sampling	Off

Routine

Slice Group	1
Slices	32
Distance Factor	10 %
Position	L1.9 P25.9 H19.8 mm
Orientation	C > T-26.3 > S-1.5
Phase Encoding Dir.	R >> L
Phase Oversampling	25.0 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	5460.0 ms
TE	165.00 ms
Concatenations	2
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	32
Distance Factor	10 %
Position	L1.9 P25.9 H19.8 mm
Orientation	C > T-26.3 > S-1.5
Phase Encoding Dir.	R >> L
Phase Oversampling	25.0 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	5460.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Contrast - Common

TR	5460.0 ms
TE	165.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Wrap-up Magn.	Restore

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement
Reordering	Linear

Geometry - AutoAlign

Slice Group	1
Position	L1.9 P25.9 H19.8 mm
Orientation	C > T-26.3 > S-1.5
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L1.9 P25.9 H19.8
L	1.9 mm
P	25.9 mm
H	19.8 mm
Initial Orientation	C > T
C > T	-26.30
> S	-1.50
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	50.00 mm
Position	L1.0 P38.5 F83.7 mm
Orientation	T > C24.7 > S0.6
Shape	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	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	L1.9 P25.9 H19.8 mm
Orientation	C > T-26.3 > S-1.5
Rotation	0.00 deg
R >> L	200 mm
F >> H	200 mm
A >> P	123 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	5460.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	200 mm
FOV Phase	100.0 %
BLADE Coverage	109.1 %
Trajectory	BLADE
Motion Correction	On

Physio - PACE

Resp. Control	Off
Concatenations	2

Diff

Diffusion Mode	None
Averages	1
Invert Gray Scale	Off
Diff. Weighted Images	Off
Trace Weighted Images	Off
Tensor	Off
FA Maps	Off
ADC Maps	Off
Exponential ADC Maps	Off
Calculated Image	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	On
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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Sequence - Part 1

Sequence Name	qtseBNR_rr
RF Pulse Type	Low SAR
Gradient Mode	Whisper
Flow Compensation	Read
Reordering	Linear
Bandwidth	190 Hz/Px
Echo Spacing	11.8 ms

Sequence - Part 1

Free Echo Spacing	On
Turbo Factor	27
EPI Factor	1

Sequence - Part 2

Introduction	On
Fast Mode	Off
Acoustic noise reduction	On
Motion Correction	On

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	130 deg
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\q_t2_tse_sag_Blade *

TA: 2:30 min Coil Selection: Auto Voxel Size: 0.8×0.8×3.0 mm³ Acc:: None 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	25
Distance Factor	10 %
Position	L3.4 P22.0 H8.8 mm
Orientation	S > C1.5
Phase Encoding Dir.	A >> P
Phase Oversampling	0.0 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	4360.0 ms
TE	162.00 ms
Concatenations	2
AutoAlign	---

Contrast - Common

TR	4360.0 ms
TE	162.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Wrap-up Magn.	Restore

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement
Reordering	Linear

Resolution - Common

FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	256
Trajectory	BLADE
BLADE Coverage	106.7 %

Resolution - Acceleration

Acceleration Mode	None
Ramp Sampling	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	25
Distance Factor	10 %
Position	L3.4 P22.0 H8.8 mm
Orientation	S > C1.5
Phase Encoding Dir.	A >> P
Phase Oversampling	0.0 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	4360.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L3.4 P22.0 H8.8 mm
Orientation	S > C1.5
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L3.4 P22.0 H8.8
L	3.4 mm
P	22.0 mm
H	8.8 mm
Initial Orientation	S > C
S > C	1.50
> T	0.00
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Saturation Region	1
Thickness	56.00 mm
Position	L0.1 P2.7 F101.5 mm
Orientation	T > C1.5
Shape	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	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	L3.4 P22.0 H8.8 mm
Orientation	S > C1.5
Rotation	0.00 deg
A >> P	200 mm
F >> H	200 mm
R >> L	83 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	4360.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	200 mm
FOV Phase	100.0 %
BLADE Coverage	106.7 %
Trajectory	BLADE
Motion Correction	Off

Physio - PACE

Resp. Control	Off
Concatenations	2

Diff

Diffusion Mode	None
Averages	1
Invert Gray Scale	Off
Diff. Weighted Images	Off
Trace Weighted Images	Off
Tensor	Off
FA Maps	Off
ADC Maps	Off
Exponential ADC Maps	Off
Calculated Image	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	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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Sequence - Part 1

Sequence Name	qtseBNR_rr
RF Pulse Type	Low SAR
Gradient Mode	Whisper
Flow Compensation	Read
Reordering	Linear
Bandwidth	199 Hz/Px
Echo Spacing	11.6 ms

Sequence - Part 1

Free Echo Spacing	On
Turbo Factor	27
EPI Factor	1

Sequence - Part 2

Introduction	On
Fast Mode	Off
Acoustic noise reduction	On
Motion Correction	Off

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	120 deg
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\T2_qtse_Tran DRB *

TA: 2:40 min Coil Selection: Auto Voxel Size: 0.2x0.2x3.0 mm³ Acc:: 2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Resolution - Common

FOV Read	160 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
Base Resolution	384
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	31
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	38
Distance Factor	10 %
Position	L5.1 P30.0 H22.2 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
Phase Oversampling	100 %
FOV Read	160 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
TR	5280.0 ms
TE	176.00 ms
Averages	1
Concatenations	2
AutoAlign	---

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	10 %
Position	L5.1 P30.0 H22.2 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
Phase Oversampling	100 %
FOV Read	160 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
TR	5280.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Contrast - Common

TR	5280.0 ms
TE	176.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
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
Multiple Series	Each Measurement

Geometry - AutoAlign

Slice Group	1
Position	L5.1 P30.0 H22.2 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L5.1 P30.0 H22.2
L	5.1 mm
P	30.0 mm
H	22.2 mm
Initial Orientation	Transversal
Initial Rotation	90.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
--------------------	------

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	22 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	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	5280.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off

Physio - Cardiac

FOV Read	160 mm
FOV Phase	81.3 %
Phase Resolution	80 %
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
------------------	-----

Sequence - Part 1

Sequence Name	qtseR
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Whisper
Flow Compensation	None
Bandwidth	146 Hz/Px
Echo Spacing	13.6 ms
Free Echo Spacing	On
Define	Turbo Factor
Turbo Factor	19
Echo Trains per Slice	14

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.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	60 s

\\User\Head\Epilepsy\Isola_xa61_Brain under 6months\T2_qtse_Cor DRB *

TA: 2:40 min Coil Selection: Auto Voxel Size: 0.2x0.2x3.0 mm³ Acc:: 2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Resolution - Common

FOV Read	160 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
Base Resolution	384
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	31
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	38
Distance Factor	10 %
Position	L5.1 P30.0 H22.2 mm
Orientation	C > T-15.5 > S-1.8
Phase Encoding Dir.	R >> L
Phase Oversampling	100 %
FOV Read	160 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
TR	5280.0 ms
TE	176.00 ms
Averages	1
Concatenations	2
AutoAlign	---

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	10 %
Position	L5.1 P30.0 H22.2 mm
Orientation	C > T-15.5 > S-1.8
Phase Encoding Dir.	R >> L
Phase Oversampling	100 %
FOV Read	160 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
TR	5280.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Contrast - Common

TR	5280.0 ms
TE	176.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
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
Multiple Series	Each Measurement

Geometry - AutoAlign

Slice Group	1
Position	L5.1 P30.0 H22.2 mm
Orientation	C > T-15.5 > S-1.8
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L5.1 P30.0 H22.2
L	5.1 mm
P	30.0 mm
H	22.2 mm
Initial Orientation	C > T
C > T	-15.50

Geometry - AutoAlign

> S	-1.80
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	22 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	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	5280.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	160 mm
FOV Phase	81.3 %
Phase Resolution	80 %
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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Sequence - Part 1

Sequence Name	qtseR
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Whisper
Flow Compensation	None
Bandwidth	146 Hz/Px
Echo Spacing	13.6 ms
Free Echo Spacing	On
Define	Turbo Factor
Turbo Factor	19
Echo Trains per Slice	14

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

Sequence - Part 2

Reduce Motion Sens.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	60 s

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\T2_qtse_sag 2.5mm DRB *

TA: 2:19 min Coil Selection: Auto Voxel Size: 0.2x0.2x2.5 mm³ Acc:: 2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Resolution - Common

FOV Read	160 mm
FOV Phase	90.6 %
Slice Thickness	2.5 mm
Base Resolution	384
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	38
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	38
Distance Factor	10 %
Position	L5.2 P25.8 H21.3 mm
Orientation	S > C0.7 > T0.1
Phase Encoding Dir.	A >> P
Phase Oversampling	50 %
FOV Read	160 mm
FOV Phase	90.6 %
Slice Thickness	2.5 mm
TR	5280.0 ms
TE	176.00 ms
Averages	1
Concatenations	2
AutoAlign	---

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	10 %
Position	L5.2 P25.8 H21.3 mm
Orientation	S > C0.7 > T0.1
Phase Encoding Dir.	A >> P
Phase Oversampling	50 %
FOV Read	160 mm
FOV Phase	90.6 %
Slice Thickness	2.5 mm
TR	5280.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Contrast - Common

TR	5280.0 ms
TE	176.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
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
Multiple Series	Each Measurement

Geometry - AutoAlign

Slice Group	1
Position	L5.2 P25.8 H21.3 mm
Orientation	S > C0.7 > T0.1
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L5.2 P25.8 H21.3
L	5.2 mm
P	25.8 mm
H	21.3 mm
Initial Orientation	S > C
S > C	0.70

Geometry - AutoAlign

> T	0.10
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	21 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	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	5280.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	160 mm
FOV Phase	90.6 %
Phase Resolution	80 %
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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Sequence - Part 1

Sequence Name	qtseR
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Whisper
Flow Compensation	None
Bandwidth	146 Hz/Px
Echo Spacing	13.6 ms
Free Echo Spacing	On
Define	Turbo Factor
Turbo Factor	19
Echo Trains per Slice	12

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

Sequence - Part 2

Reduce Motion Sens.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	60 s

\\User\Head\Epilepsysola_xa61_Brain under 6months\lt2_qswi3d_tra_p2_2.0mm brain *

TA: 4:03 min Coil Selection: Auto Voxel Size: 0.4×0.4×2.0 mm³ Acc:: 2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L1.4 P23.3 F38.5 mm
Orientation	T > C6.9 > S-0.4
Phase Encoding Dir.	R >> L
Slices per Slab	60
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	210 mm
FOV Phase	90.6 %
Slice Thickness	2.00 mm
TR	48.0 ms
TE	40.00 ms
Averages	1
Concatenations	1
AutoAlign	---

Contrast - Common

TR	48.0 ms
TE	40.00 ms
MTC	Off
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	Off

Resolution - Common

FOV Read	210 mm
FOV Phase	90.6 %
Slice Thickness	2.00 mm
Base Resolution	256
Phase Resolution	80 %
Slice Resolution	80 %
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	Off
Elliptical Scanning	Off

Resolution - Filter

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

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L1.4 P23.3 F38.5 mm
Orientation	T > C6.9 > S-0.4
Phase Encoding Dir.	R >> L
Slices per Slab	60
Phase Oversampling	0 %
Slice Oversampling	0.0 %
FOV Read	210 mm
FOV Phase	90.6 %
Slice Thickness	2.00 mm
TR	48.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L1.4 P23.3 F38.5 mm
Orientation	T > C6.9 > S-0.4
Phase Encoding Dir.	R >> L
AutoAlign	---

Geometry - AutoAlign

Initial Position	L1.4 P23.3 F38.5
L	1.4 mm
P	23.3 mm
F	38.5 mm
Initial Orientation	T > C
T > C	6.90
> S	-0.40
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	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	L1.4 P23.3 F38.5 mm
Orientation	T > C6.9 > S-0.4
Rotation	90.00 deg
R >> L	191 mm
A >> P	210 mm
F >> H	120 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	48.0 ms
Segments	1
Concatenations	1

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	210 mm
FOV Phase	90.6 %
Phase Resolution	80 %

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Liver

Liver Registration	Off
Save Original Images	On

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 - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	15 deg
Measurements	1

Inline - MapIt

Contrasts	1
TE	40.00 ms
TR	48.0 ms
Save Original Images	On

Sequence - Part 1

Sequence Name	qswi_r
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	On
Bandwidth	80 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On
Acoustic noise reduction	On

Sequence - Assistant

SAR Assistant	Off
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\\User\Head\Epilepsy\sola_xa61_Brain under 6months1t1_qfl3d_sag_iso_0.9 *

TA: 3:27 min Coil Selection: Auto Voxel Size: 0.4×0.4×0.9 mm³ Acc:: 2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L5.6 P32.6 H30.3 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Slices per Slab	176
Phase Oversampling	20 %
Slice Oversampling	36.4 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
TR	9.6 ms
TE	4.76 ms
Averages	1
Concatenations	1
AutoAlign	---

Contrast - Common

TR	9.6 ms
TE	4.76 ms
MTC	Off
Magn. Preparation	None
Flip Angle	20 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
Base Resolution	224
Phase Resolution	90 %
Slice Resolution	69 %
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	Off
Elliptical Scanning	On

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	L5.6 P32.6 H30.3 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Slices per Slab	176
Phase Oversampling	20 %
Slice Oversampling	36.4 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
TR	9.6 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L5.6 P32.6 H30.3 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	---

Geometry - AutoAlign

Initial Position	L5.6 P32.6 H30.3
L	5.6 mm
P	32.6 mm
H	30.3 mm
Initial Orientation	Sagittal
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Mode	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	30 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	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
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Physio - Signal

TR	9.6 ms
Segments	1
Concatenations	1

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	200 mm
FOV Phase	100.0 %
Phase Resolution	90 %

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Liver

Liver Registration	Off
Save Original Images	On

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 - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	20 deg
Measurements	1
Contrasts	1

Inline - MapIt

TE	4.76 ms
TR	9.6 ms
Save Original Images	On

Sequence - Part 1

Sequence Name	qfl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	160 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On
Acoustic noise reduction	On

Sequence - Assistant

SAR Assistant	Off
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\\User\Head\Epilepsy\sola_xa61_Brain under 6months\Qdwi_4scan_trace_tra_p2_160 *

TA: 1:47 min Coil Selection: Auto Voxel Size: 1.4×1.4×5.0 mm³ Acc:: 2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Resolution - Common

FOV Phase	100.0 %
Slice Thickness	5.0 mm
Base Resolution	160
Phase Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Accel. Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	70
Phase Partial Fourier	7/8
Readout Segments	3

Routine

Slice Group	1
Slices	20
Distance Factor	30 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	5.0 mm
TR	5000.0 ms
TE 1	92 ms
TE 2	181 ms
Concatenations	1
AutoAlign	Head > Brain

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	20
Distance Factor	30 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	230 mm
FOV Phase	100.0 %
Slice Thickness	5.0 mm
TR	5000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Contrast - Common

TR	5000.0 ms
TE 1	92 ms
TE 2	181 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

Resolution - Common

FOV Read	230 mm
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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	0.00 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	230 mm
R >> L	230 mm
F >> H	129 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	5000.0 ms
Concatenations	1

Diff

Diffusion Mode	4-Scan Trace
Diff. Directions	4
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	1
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	80
Noise Masking	Off
Calculated Image	Off

Sequence - Part 1

Sequence Name	qDWI
Dimension	2D
RF Pulse Type	Low SAR
Gradient Mode	Fast
Bandwidth	488 Hz/Px
Echo Spacing	1.00 ms
Optimization	Min. TE
EPI Factor	70

Sequence - Part 2

Introduction	On
Acoustic noise reduction	On
Reacquisition Mode	On

Sequence - Assistant

SAR Assistant	Off
Optimization	Min. TE

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\t1_qfl3d_sag_iso_0.9 WE GD *

TA: 4:40 min Coil Selection: Auto Voxel Size: 0.4x0.4x0.9 mm³ Acc:: 2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L5.6 P32.6 H30.3 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Slices per Slab	176
Phase Oversampling	20 %
Slice Oversampling	36.4 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
TR	13.0 ms
TE	4.94 ms
Averages	1
Concatenations	1
AutoAlign	---

Contrast - Common

TR	13.0 ms
TE	4.94 ms
MTC	Off
Magn. Preparation	None
Flip Angle	20 deg
Fat-Water Contrast	Fast Water Excitation
Dark Blood	Off
Contrasts	1
SWI	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
Base Resolution	224
Phase Resolution	90 %
Slice Resolution	69 %
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	Off
Elliptical Scanning	On

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	L5.6 P32.6 H30.3 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Slices per Slab	176
Phase Oversampling	20 %
Slice Oversampling	36.4 %
FOV Read	200 mm
FOV Phase	100.0 %
Slice Thickness	0.90 mm
TR	13.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L5.6 P32.6 H30.3 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	---

Geometry - AutoAlign

Initial Position	L5.6 P32.6 H30.3
L	5.6 mm
P	32.6 mm
H	30.3 mm
Initial Orientation	Sagittal
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Mode	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	30 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	L5.6 P32.6 H30.3 mm
Orientation	Sagittal
Rotation	0.00 deg
A >> P	200 mm
F >> H	200 mm
R >> L	159 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
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Physio - Signal

TR	13.0 ms
Segments	1
Concatenations	1

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Fast Water Excitation
Magn. Preparation	None
Dark Blood	Off
FOV Read	200 mm
FOV Phase	100.0 %
Phase Resolution	90 %

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Liver

Liver Registration	Off
Save Original Images	On

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 - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	20 deg
Measurements	1
Contrasts	1

Inline - MapIt

TE	4.94 ms
TR	13.0 ms
Save Original Images	On

Sequence - Part 1

Sequence Name	qfl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	160 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On
Acoustic noise reduction	On

Sequence - Assistant

SAR Assistant	Off
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\\User\Head\Epilepsy\Isola_xa61_Brain under 6months\T2_FLAIR_Tra_DRB Gd *

TA: 3:30 min Coil Selection: Auto Voxel Size: 0.7×0.7×3.0 mm³ Acc:: None 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	31
Distance Factor	20 %
Position	L5.9 P23.8 H23.4 mm
Orientation	T > C9.2 > S0.1
Phase Encoding Dir.	R >> L
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	8000.0 ms
TE	180.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	8000.0 ms
TE	180.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	2400 ms
Freeze Suppr. Tissue	On
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
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Contrast - Dynamic

Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	256
Phase Resolution	70 %
Interpolation	Off

Resolution - Acceleration

Acceleration Mode	None
Deep Resolve	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	31
Distance Factor	20 %
Position	L5.9 P23.8 H23.4 mm
Orientation	T > C9.2 > S0.1
Phase Encoding Dir.	R >> L
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	8000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L5.9 P23.8 H23.4 mm
Orientation	T > C9.2 > S0.1
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L5.9 P23.8 H23.4
L	5.9 mm
P	23.8 mm
H	23.4 mm
Initial Orientation	T > C

Geometry - AutoAlign

T > C	9.20
> S	0.10
Initial Rotation	89.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	23 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	L5.9 P23.8 H23.4 mm
Orientation	T > C9.2 > S0.1
Rotation	89.00 deg
R >> L	180 mm
A >> P	180 mm
F >> H	111 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	8000.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	Slice-sel. IR
TI	2400 ms
Dark Blood	Off
FOV Read	180 mm
FOV Phase	100.0 %
Phase Resolution	70 %
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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Sequence - Part 1

Sequence Name	qtir_rs
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Normal
Flow Compensation	Slice
Bandwidth	181 Hz/Px
Echo Spacing	13.8 ms
Free Echo Spacing	On
Define	Turbo Factor
Turbo Factor	15
Echo Trains per Slice	12

Sequence - Part 2

Introduction	On
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	Off
WARP	Off
Red. EC Sensitivity	Off

Sequence - Part 2

Acoustic noise reduction	On
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\tof_cs_acc 6.2_cow *

TA: 2:48 min Coil Selection: Auto Voxel Size: 0.5×0.5×0.4 mm³ Acc:: 6.2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	3
Distance Factor	-19 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
Slices per Slab	52
Phase Oversampling	0 %
Slice Oversampling	23.1 %
FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	0.40 mm
TR	24.14 ms
TE	7.12 ms
Averages	1
Concatenations	3
AutoAlign	Head > Brain

Contrast - Common

TR	24.14 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

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off
Reordering	Linear

Contrast - Angio

Flow Direction	F >> H
TONE Ramp	60 %

Resolution - Common

FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	0.40 mm
Base Resolution	256
Phase Resolution	100 %
Slice Resolution	72 %
Trajectory	Cartesian
Interpolation	1.50

Resolution - Acceleration

Acceleration Mode	CS
Total Factor	6.2
Reference Scans	Integrated
Reference Lines PE	24
Reference Lines 3D	32
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Strong
Elliptical Scanning	Off

Resolution - Filter

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

Geometry - Common

Slab Group	1
Slabs	3
Distance Factor	-19 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
Slices per Slab	52
Phase Oversampling	0 %
Slice Oversampling	23.1 %
FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	0.40 mm
TR	24.14 ms

Geometry - Common

Multi-Slice Mode	Sequential
Series	Descending
Concatenations	3

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	L0.0 P0.0 H1.0
L	0.0 mm
P	0.0 mm
H	1.0 mm
Initial Orientation	Transversal
Initial Rotation	90.00 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	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	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

System - Adjust Volume

A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	24.14 ms
Segments	1
Concatenations	3

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	190 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Cine	Off
Trajectory	Cartesian
Dummy Heartbeats	1

Physio - PACE

Resp. Control	Off
Concatenations	3

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	24.14 ms

Inline - MIP

MIP Sag	On
MIP Cor	On
MIP Tra	On
MIP Time	Off
Radial MIP	On
Number of Radial Views	12

Inline - MIP

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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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	100 Hz/Px
Echo Spacing	14.82 ms
Asymmetric Echo	Strong
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

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\tof_cs_acc 6.5_neck *

TA: 4:20 min Coil Selection: Auto Voxel Size: 0.5×0.5×0.5 mm³ Acc:: 6.5 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	5
Distance Factor	-21 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
Slices per Slab	52
Phase Oversampling	0 %
Slice Oversampling	23.1 %
FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	0.50 mm
TR	23.12 ms
TE	7.12 ms
Averages	1
Concatenations	5
AutoAlign	Head > Brain

Contrast - Common

TR	23.12 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

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off
Reordering	Linear

Contrast - Angio

Flow Direction	F >> H
TONE Ramp	70 %

Resolution - Common

FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	0.50 mm
Base Resolution	256
Phase Resolution	100 %
Slice Resolution	72 %
Trajectory	Cartesian
Interpolation	1.50

Resolution - Acceleration

Acceleration Mode	CS
Total Factor	6.5
Reference Scans	Integrated
Reference Lines PE	24
Reference Lines 3D	32
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Strong
Elliptical Scanning	Off

Resolution - Filter

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

Geometry - Common

Slab Group	1
Slabs	5
Distance Factor	-21 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
Slices per Slab	52
Phase Oversampling	0 %
Slice Oversampling	23.1 %
FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	0.50 mm
TR	23.12 ms

Geometry - Common

Multi-Slice Mode	Sequential
Series	Descending
Concatenations	5

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	L0.0 P0.0 H1.0
L	0.0 mm
P	0.0 mm
H	1.0 mm
Initial Orientation	Transversal
Initial Rotation	90.00 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	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	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

System - Adjust Volume

A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	23.12 ms
Segments	1
Concatenations	5

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	190 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Cine	Off
Trajectory	Cartesian
Dummy Heartbeats	1

Physio - PACE

Resp. Control	Off
Concatenations	5

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	23.12 ms

Inline - MIP

MIP Sag	On
MIP Cor	On
MIP Tra	On
MIP Time	Off
Radial MIP	On
Number of Radial Views	12

Inline - MIP

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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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	100 Hz/Px
Echo Spacing	14.82 ms
Asymmetric Echo	Strong
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

\\User\Head\Epilepsy\Isola_xa61_Brain under 6months\Angio3D_cor_pre *

TA: 13 sec Coil Selection: Auto Voxel Size: 0.4×0.4×1.2 mm³ Acc:: 3 Rel. SNR: 1.00**Properties**

Start measurement without further preparation	On
Wait for User to Start	On
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
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	R4.6 P61.3 F38.0 mm
Orientation	C > T-5.0 > S-1.7
Phase Encoding Dir.	R >> L
Slices per Slab	96
Phase Oversampling	0 %
Slice Oversampling	8.3 %
FOV Read	280 mm
FOV Phase	87.5 %
Slice Thickness	1.20 mm
TR	3.22 ms
TE	1.13 ms
Averages	1
AutoAlign	---

Contrast - Common

TR	3.22 ms
TE	1.13 ms
Magn. Preparation	None
Flip Angle	25 deg
Fat-Water Contrast	Standard
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off
3D Reordering	User Defined TTC
Time to Center	1.0 s

Resolution - Common

FOV Read	280 mm
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Resolution - Common

FOV Phase	87.5 %
Slice Thickness	1.20 mm
Base Resolution	384
Phase Resolution	60 %
Slice Resolution	63 %
Interpolation	On

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	Allowed
Elliptical Scanning	Off

Resolution - Filter

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

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	R4.6 P61.3 F38.0 mm
Orientation	C > T-5.0 > S-1.7
Phase Encoding Dir.	R >> L
Slices per Slab	96
Phase Oversampling	0 %
Slice Oversampling	8.3 %
FOV Read	280 mm
FOV Phase	87.5 %
Slice Thickness	1.20 mm
TR	3.22 ms
Multi-Slice Mode	Sequential
Series	Ascending

Geometry - AutoAlign

Slab Group	1
Position	R4.6 P61.3 F38.0 mm
Orientation	C > T-5.0 > S-1.7
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	R4.6 P61.3 F38.0
R	4.6 mm

Geometry - AutoAlign

P	61.3 mm
F	38.0 mm
Initial Orientation	C > T
C > T	-5.00
> S	-1.70
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	None
--------------------	------

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	38 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Maximum
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	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3.22 ms

Physio - Signal

Segments	1
----------	---

Inline - Subtraction

Subtract	On
Subtraction Mode	Standard
Save Subtracted Images	On
Subtrahend	1
Subtraction Group	1
Measurements	1
Autoscaling	Off
Scaling Factor	3
Offset	0
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	On
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
------------------	-----

Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	450 Hz/Px
Asymmetric Echo	Allowed
Optimization	Min. TE TR
Segments	1

Sequence - Part 2

Introduction	Off
RF Spoiling	On
Phase Enc. Rewinder	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	18 deg
Optimization	Min. TE TR

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\Care_Bolus_cor *

TA: 1:00 min Coil Selection: Auto Voxel Size: 1.8×1.8×20.0 mm³ Acc:: None Rel. SNR: 1.00**Properties**

Start measurement without further preparation	On
Wait for User to Start	On
Start measurements	Single Measurement
Prio Recon	On
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
Graphic segment	Default
Inline Movie	Off

Contrast - Dynamic

Pause after Meas. 10	0.0 s
Pause after Meas. 11	0.0 s
Pause after Meas. 12	0.0 s
Pause after Meas. 13	0.0 s
Pause after Meas. 14	0.0 s
Pause after Meas. 15	0.0 s
Pause after Meas. 16	0.0 s
Pause after Meas. 17	0.0 s
Pause after Meas. 18	0.0 s
Pause after Meas. 19	0.0 s
Pause after Meas. 20	0.0 s
Pause after Meas. 21	0.0 s
Pause after Meas. 22	0.0 s
Pause after Meas. 23	0.0 s
Pause after Meas. 24	0.0 s
Pause after Meas. 25	0.0 s
Pause after Meas. 26	0.0 s
Pause after Meas. 27	0.0 s
Pause after Meas. 28	0.0 s
Pause after Meas. 29	0.0 s
Pause after Meas. 30	0.0 s
Pause after Meas. 31	0.0 s
Pause after Meas. 32	0.0 s
Pause after Meas. 33	0.0 s
Pause after Meas. 34	0.0 s
Pause after Meas. 35	0.0 s
Pause after Meas. 36	0.0 s
Pause after Meas. 37	0.0 s
Pause after Meas. 38	0.0 s
Pause after Meas. 39	0.0 s
Pause after Meas. 40	0.0 s
Pause after Meas. 41	0.0 s
Pause after Meas. 42	0.0 s
Pause after Meas. 43	0.0 s
Pause after Meas. 44	0.0 s
Pause after Meas. 45	0.0 s
Pause after Meas. 46	0.0 s
Pause after Meas. 47	0.0 s
Pause after Meas. 48	0.0 s
Pause after Meas. 49	0.0 s
Pause after Meas. 50	0.0 s
Pause after Meas. 51	0.0 s
Pause after Meas. 52	0.0 s
Pause after Meas. 53	0.0 s
Pause after Meas. 54	0.0 s
Pause after Meas. 55	0.0 s
Pause after Meas. 56	0.0 s
Pause after Meas. 57	0.0 s
Pause after Meas. 58	0.0 s
Pause after Meas. 59	0.0 s

Routine

Slice Group	1
Slices	1
Distance Factor	20 %
Position	R4.6 P61.3 F38.0 mm
Orientation	C > T-5.0 > S-1.7
Phase Encoding Dir.	R >> L
Phase Oversampling	0 %
FOV Read	450 mm
FOV Phase	81.3 %
Slice Thickness	20.0 mm
TR	34.75 ms
TE	1.32 ms
Averages	1
AutoAlign	---

Contrast - Common

TR	34.75 ms
TE	1.32 ms
Magn. Preparation	None
Flip Angle	30 deg
Fat-Water Contrast	Standard
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	60
Pause after Meas. 1	0.0 s
Pause after Meas. 2	0.0 s
Pause after Meas. 3	0.0 s
Pause after Meas. 4	0.0 s
Pause after Meas. 5	0.0 s
Pause after Meas. 6	0.0 s
Pause after Meas. 7	0.0 s
Pause after Meas. 8	0.0 s
Pause after Meas. 9	0.0 s

Contrast - Dynamic

Multiple Series	Off
Reordering	Linear

Resolution - Common

FOV Read	450 mm
FOV Phase	81.3 %
Slice Thickness	20.0 mm
Base Resolution	256
Phase Resolution	96 %
Interpolation	Off

Resolution - Acceleration

Acceleration Mode	None
Phase Partial Fourier	Off
Asymmetric Echo	Allowed

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	1
Distance Factor	20 %
Position	R4.6 P61.3 F38.0 mm
Orientation	C > T-5.0 > S-1.7
Phase Encoding Dir.	R >> L
Phase Oversampling	0 %
FOV Read	450 mm
FOV Phase	81.3 %
Slice Thickness	20.0 mm
TR	34.75 ms
Multi-Slice Mode	Sequential
Series	Ascending

Geometry - AutoAlign

Slice Group	1
Position	R4.6 P61.3 F38.0 mm
Orientation	C > T-5.0 > S-1.7
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	R4.6 P61.3 H0.0
R	4.6 mm
P	61.3 mm
F	0.0 mm
Initial Orientation	C > T
C > T	-5.00
> S	-1.70
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	Parallel A/P
Gap	5.00 mm
Thickness	50.00 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	38 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Maximum
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	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	34.75 ms
Segments	7

Inline - Subtraction

Subtract	Off
Measurements	60
StdDev	Off

Inline - Subtraction

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
------------------	-----

Sequence - Part 1

Sequence Name	fl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Normal
Gradient Mode	Fast
Reordering	Linear
Bandwidth	400 Hz/Px
Asymmetric Echo	Allowed
Optimization	Min. TE TR
Segments	7

Sequence - Part 2

Introduction	Off
RF Spoiling	On
Phase Enc. Rewinder	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	18 deg
Optimization	Min. TE TR

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\Angio3D_cor_post *

TA: 13 sec Coil Selection: Auto Voxel Size: 0.4×0.4×1.2 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
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	R4.6 P61.3 F38.0 mm
Orientation	C > T-5.0 > S-1.7
Phase Encoding Dir.	R >> L
Slices per Slab	96
Phase Oversampling	0 %
Slice Oversampling	8.3 %
FOV Read	280 mm
FOV Phase	87.5 %
Slice Thickness	1.20 mm
TR	3.22 ms
TE	1.13 ms
Averages	1
AutoAlign	---

Contrast - Common

TR	3.22 ms
TE	1.13 ms
Magn. Preparation	None
Flip Angle	25 deg
Fat-Water Contrast	Standard
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off
3D Reordering	User Defined TTC
Time to Center	1.0 s

Resolution - Common

FOV Read	280 mm
----------	--------

Resolution - Common

FOV Phase	87.5 %
Slice Thickness	1.20 mm
Base Resolution	384
Phase Resolution	60 %
Slice Resolution	63 %
Interpolation	On

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	Allowed
Elliptical Scanning	Off

Resolution - Filter

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

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	R4.6 P61.3 F38.0 mm
Orientation	C > T-5.0 > S-1.7
Phase Encoding Dir.	R >> L
Slices per Slab	96
Phase Oversampling	0 %
Slice Oversampling	8.3 %
FOV Read	280 mm
FOV Phase	87.5 %
Slice Thickness	1.20 mm
TR	3.22 ms
Multi-Slice Mode	Sequential
Series	Ascending

Geometry - AutoAlign

Slab Group	1
Position	R4.6 P61.3 F38.0 mm
Orientation	C > T-5.0 > S-1.7
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	R4.6 P61.3 F38.0
R	4.6 mm

Geometry - AutoAlign

P	61.3 mm
F	38.0 mm
Initial Orientation	C > T
C > T	-5.00
> S	-1.70
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	None
--------------------	------

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	38 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
Adjustment Tolerance	Maximum
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	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3.22 ms

Physio - Signal

Segments	1
----------	---

Inline - Subtraction

Subtract	On
Subtraction Mode	Standard
Save Subtracted Images	On
Subtrahend	1
Subtraction Group	1
Measurements	1
Autoscaling	Off
Scaling Factor	3
Offset	0
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	On
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
------------------	-----

Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	450 Hz/Px
Asymmetric Echo	Allowed
Optimization	Min. TE TR
Segments	1

Sequence - Part 2

Introduction	Off
RF Spoiling	On
Phase Enc. Rewinder	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	18 deg
Optimization	Min. TE TR

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\t2_spc_IAM_baby *

TA: 3:54 min Coil Selection: Auto Voxel Size: 0.5×0.5×0.5 mm³ Acc:: 2 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
Slices per Slab	60
Phase Oversampling	0 %
Slice Oversampling	33.3 %
FOV Read	170 mm
FOV Phase	100.0 %
Slice Thickness	0.52 mm
TR	1200.0 ms
TE	166.00 ms
Averages	2.0
Concatenations	1
AutoAlign	---

Contrast - Common

TR	1200.0 ms
TE	166.00 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
Blood Suppression	Off
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Contrast - Dynamic

Reordering	Linear
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Resolution - Common

FOV Read	170 mm
FOV Phase	100.0 %
Slice Thickness	0.52 mm
Base Resolution	320
Phase Resolution	95 %
Slice Resolution	95 %
Interpolation	Off

Resolution - Acceleration

Acceleration Mode	GRAPPA
Total Factor	2
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	32
Acceleration Factor 3D	1
Phase Partial Fourier	Off
Slice Partial Fourier	Off
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
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
Slices per Slab	60
Phase Oversampling	0 %
Slice Oversampling	33.3 %
FOV Read	170 mm
FOV Phase	100.0 %
Slice Thickness	0.52 mm
TR	1200.0 ms
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	---

Geometry - AutoAlign

Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	98.72 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	Isocenter
Orientation	Transversal
Rotation	98.72 deg
R >> L	170 mm
A >> P	170 mm
F >> H	32 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 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	1200.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	170 mm
FOV Phase	100.0 %
Phase Resolution	95 %

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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Sequence - Part 1

Sequence Name	spcR
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Reordering	Linear
Bandwidth	326 Hz/Px
Echo Spacing	5.98 ms
Turbo Factor	107
Echo Train Duration	652 ms

Sequence - Part 2

Introduction	On
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Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\lt2_ciss_3d_BABY *

TA: 3:45 min Coil Selection: Auto Voxel Size: 0.4×0.4×0.4 mm³ 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L1.7 P77.0 F10.6 mm
Orientation	T > C6.8 > S-3.4
Phase Encoding Dir.	R >> L
Slices per Slab	88
Phase Oversampling	0 %
Slice Oversampling	18.2 %
FOV Read	180 mm
FOV Phase	81.3 %
Slice Thickness	0.35 mm
TR	10.86 ms
TE	5.43 ms
Averages	1
AutoAlign	---

Contrast - Common

TR	10.86 ms
TE	5.43 ms
Flip Angle	70 deg
Fat-Water Contrast	Standard
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	180 mm
FOV Phase	81.3 %
Slice Thickness	0.35 mm
Base Resolution	256

Resolution - Common

Phase Resolution	100 %
Slice Resolution	50 %
Interpolation	On

Resolution - Acceleration

Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Off
Elliptical Scanning	On

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	L1.7 P77.0 F10.6 mm
Orientation	T > C6.8 > S-3.4
Phase Encoding Dir.	R >> L
Slices per Slab	88
Phase Oversampling	0 %
Slice Oversampling	18.2 %
FOV Read	180 mm
FOV Phase	81.3 %
Slice Thickness	0.35 mm
TR	10.86 ms
Multi-Slice Mode	Sequential
Series	Ascending

Geometry - AutoAlign

Slab Group	1
Position	L1.7 P77.0 F10.6 mm
Orientation	T > C6.8 > S-3.4
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L1.7 P77.0 F10.6
L	1.7 mm
P	77.0 mm
F	10.6 mm
Initial Orientation	T > C
T > C	6.80
> S	-3.40
Initial Rotation	90.30 deg

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	11 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	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L1.7 P77.0 F10.6 mm
Orientation	T > C6.8 > S-3.4
Rotation	90.30 deg
R >> L	147 mm
A >> P	180 mm
F >> H	31 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 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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Sequence - Part 1

Sequence Name	ci
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	130 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	Off
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Sequence - Assistant

SAR Assistant	Off
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\\User\Head\Epilepsy\sola_xa61_Brain under 6months\svs_se_30 *

TA: 3:24 min Coil Selection: Auto Vol: 20×20×20 mm³ 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Position	L0.0 P0.0 H30.0 mm
Orientation	Transversal
Rotation	0.00 deg
Vol A >> P	20 mm
Vol R >> L	20 mm
Vol F >> H	20 mm
TR	1500.0 ms
TE	30.00 ms
Averages	128

Contrast - Common

TR	1500.0 ms
TE	30.00 ms
Flip Angle	90 deg
Preparation Scans	4
Averages	128
Water Suppression	Water Saturation
Water Suppr. BW	35 Hz
Spectral Suppr.	None

Resolution - Common

Vector Size	1024
Normalize	Prescan

Geometry - Common

Position	L0.0 P0.0 H30.0 mm
Orientation	Transversal
Rotation	0.00 deg
Vol A >> P	20 mm
Vol R >> L	20 mm
Vol F >> H	20 mm

Geometry - AutoAlign

AutoAlign	---
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Geometry - 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**System - Miscellaneous**

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Brain
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Always
Assume Silicone	Off
Adj. Water Suppr.	On

System - Adjust Volume

Position	L0.0 P0.0 H30.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	20 mm
R >> L	20 mm
F >> H	20 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	1500.0 ms

Physio - PACE

Resp. Control	Off
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Sequence - Common

Sequence Name	svs_se
Preparation Scans	4
Delta Frequency	-2.70 ppm
Ref. Scan Mode	Save All
No. of Ref. scans	4
Measurements	1
Phase Cycling	Auto
Save Uncombined	Off
Bandwidth	1000 Hz
Acquisition Duration	1024 ms
Remove Oversampling	On
Freq. Corr. Accumulation	Off
Incr. Gradient Spoiling	Off

\\User\Head\Epilepsy\sola_xa61_Brain under 6months\svs_se_144 *

TA: 3:48 min Coil Selection: Auto Vol: 20×20×20 mm³ 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	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
Graphic segment	Default
Inline Movie	Off

Routine

Position	L0.0 P0.0 H30.0 mm
Orientation	Transversal
Rotation	0.00 deg
Vol A >> P	20 mm
Vol R >> L	20 mm
Vol F >> H	20 mm
TR	1500.0 ms
TE	30.00 ms
Averages	144

Contrast - Common

TR	1500.0 ms
TE	30.00 ms
Flip Angle	90 deg
Preparation Scans	4
Averages	144
Water Suppression	Water Saturation
Water Suppr. BW	35 Hz
Spectral Suppr.	None

Resolution - Common

Vector Size	1024
Normalize	Prescan

Geometry - Common

Position	L0.0 P0.0 H30.0 mm
Orientation	Transversal
Rotation	0.00 deg
Vol A >> P	20 mm
Vol R >> L	20 mm
Vol F >> H	20 mm

Geometry - AutoAlign

AutoAlign	---
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Geometry - 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**System - Miscellaneous**

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Brain
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Always
Assume Silicone	Off
Adj. Water Suppr.	On

System - Adjust Volume

Position	L0.0 P0.0 H30.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	20 mm
R >> L	20 mm
F >> H	20 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.664751 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	1500.0 ms

Physio - PACE

Resp. Control	Off
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Sequence - Common

Sequence Name	svs_se
Preparation Scans	4
Delta Frequency	-2.70 ppm
Ref. Scan Mode	Save All
No. of Ref. scans	4
Measurements	1
Phase Cycling	Auto
Save Uncombined	Off
Bandwidth	1000 Hz
Acquisition Duration	1024 ms
Remove Oversampling	On
Freq. Corr. Accumulation	Off
Incr. Gradient Spoiling	Off