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\\User

Head

Epilepsy

sola_xa61_extremity_tumour

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\\User\Head\Epilepsy\sola_xa61_extremity_tumour\localizer *

TA: 9 sec Coil Selection: Auto Voxel Size: 0.7×0.7×6.0 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	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	5
Distance Factor	50 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	350 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
TR	7.0 ms
TE	3.04 ms
Averages	1
Concatenations	5
AutoAlign	---

Contrast - Common

TR	7.0 ms
TE	3.04 ms
TD	0.00 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	350 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
Base Resolution	256
Phase Resolution	80 %
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	Off
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	5
Distance Factor	50 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	350 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
TR	7.0 ms
Multi-Slice Mode	Sequential
Series	Interleaved
Concatenations	5

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
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 - Saturation

Saturation Mode	Standard
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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	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	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	7.0 ms
Segments	1
Concatenations	5

Physio - Cardiac

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

Physio - Cardiac

FOV Read	350 mm
FOV Phase	100.0 %
Phase Resolution	80 %

Physio - PACE

Resp. Control	Off
Concatenations	5

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
TE	3.04 ms
TR	7.0 ms
Save Original Images	On

Sequence - Part 1

Sequence Name	fl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Normal

Sequence - Part 1

Gradient Mode	Fast
Flow Compensation	None
Bandwidth	280 Hz/Px
Asymmetric Echo	Allowed
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On
Acoustic noise reduction	Off

Sequence - Assistant

SAR Assistant	Off
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\\User\Head\Epilepsy\sola_xa61_extremity_tumour\localizer_sag+cor+tra *

TA: 17 sec Coil Selection: Auto Voxel Size: 0.6×0.6×6.0 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	3
Distance Factor	50 %
Position	R0.1 P51.9 H0.0 mm
Orientation	C > S0.5
Phase Encoding Dir.	R >> L
Slice Group	2
Slices	3
Distance Factor	50 %
Position	R0.1 P51.9 H0.0 mm
Orientation	C > S0.5
Phase Encoding Dir.	R >> L
Slice Group	3
Slices	3
Distance Factor	50 %
Position	R0.1 P51.9 H0.0 mm
Orientation	C > S0.5
Phase Encoding Dir.	R >> L
Phase Oversampling	25 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
TR	7.6 ms
TE	3.37 ms
Averages	1
Concatenations	9
AutoAlign	---

Contrast - Common

TR	7.6 ms
TE	3.37 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	300 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
Base Resolution	256
Phase Resolution	70 %
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	3
Distance Factor	50 %
Position	R0.1 P51.9 H0.0 mm
Orientation	C > S0.5
Phase Encoding Dir.	R >> L
Slice Group	2
Slices	3
Distance Factor	50 %
Position	R0.1 P51.9 H0.0 mm
Orientation	C > S0.5
Phase Encoding Dir.	R >> L
Slice Group	3
Slices	3
Distance Factor	50 %
Position	R0.1 P51.9 H0.0 mm
Orientation	C > S0.5
Phase Encoding Dir.	R >> L

Geometry - Common

Phase Oversampling	25 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
TR	7.6 ms
Multi-Slice Mode	Sequential
Series	Interleaved
Concatenations	9

Geometry - AutoAlign

Slice Group	1
Position	R0.1 P51.9 H0.0 mm
Orientation	C > S0.5
Phase Encoding Dir.	R >> L
Slice Group	2
Position	R0.1 P51.9 H0.0 mm
Orientation	C > S0.5
Phase Encoding Dir.	R >> L
Slice Group	3
Position	R0.1 P51.9 H0.0 mm
Orientation	C > S0.5
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	R0.1 P51.9 H0.0
R	0.1 mm
P	51.9 mm
H	0.0 mm
Initial Orientation	C > S
C > S	0.50
> 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	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	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	7.6 ms
Segments	1
Concatenations	9

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	300 mm
FOV Phase	100.0 %
Phase Resolution	70 %

Physio - PACE

Resp. Control	Off
Concatenations	9

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	3.37 ms
TR	7.6 ms
Save Original Images	On

Sequence - Part 1

Sequence Name	fl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	280 Hz/Px
Asymmetric Echo	Allowed
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On
Acoustic noise reduction	Off

Sequence - Assistant

SAR Assistant	Off
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\\User\Head\Epilepsy\isola_xa61_extremity_tumour\t2_tse_stir_cor *

TA: 2:17 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 1/2**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	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	384
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	29
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	30
Distance Factor	10 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	170 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	3990.0 ms
TE	74.00 ms
Averages	1
Concatenations	1
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	10 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	170 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	3990.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Contrast - Common

TR	3990.0 ms
TE	74.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	160 ms
Freeze Suppr. Tissue	Off
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P0.0 F20.0
L	0.0 mm
P	0.0 mm
F	20.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	20 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	Med >> Lat
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	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3990.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	160 ms
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	80 %
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	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

Sequence - Part 1

Sequence Name	tir
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	161 Hz/Px
Echo Spacing	9.22 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	9
Echo Trains per Slice	33

Sequence - Part 2

Introduction	On
Phase Correction	Off

Sequence - Part 2

Compensate T2 Decay	Off
Fast Mode	Off
WARP	Off
Red. EC Sensitivity	Off
Acoustic noise reduction	Off
Reduce Motion Sens.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	6000.0 ms
Allowed Delay	30 s

\\User\Head\Epilepsy\Isola_xa61_extremity_tumour\t2_tse_stir_cor *

TA: 2:17 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 2/2**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	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	384
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	29
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	30
Distance Factor	10 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	170 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	3990.0 ms
TE	74.00 ms
Averages	1
Concatenations	1
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	10 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	170 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	3990.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Contrast - Common

TR	3990.0 ms
TE	74.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	160 ms
Freeze Suppr. Tissue	Off
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P0.0 F20.0
L	0.0 mm
P	0.0 mm
F	20.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	90 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	Med >> Lat
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	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3990.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	160 ms
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	80 %
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	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

Sequence - Part 1

Sequence Name	tir
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	161 Hz/Px
Echo Spacing	9.22 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	9
Echo Trains per Slice	33

Sequence - Part 2

Introduction	On
Phase Correction	Off

Sequence - Part 2

Compensate T2 Decay	Off
Fast Mode	Off
WARP	Off
Red. EC Sensitivity	Off
Acoustic noise reduction	Off
Reduce Motion Sens.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	6000.0 ms
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_extremity_tumour\t1_tse_cor_drb *

TA: 2:27 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 1/2

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
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	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	448
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	24
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	29
Distance Factor	5 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	160 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	500.0 ms
TE	9.10 ms
Averages	1
Concatenations	3
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	29
Distance Factor	5 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	160 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	500.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	3

Contrast - Common

TR	500.0 ms
TE	9.10 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	135 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P0.0 F20.0
L	0.0 mm
P	0.0 mm
F	20.0 mm
Initial Orientation	Coronal
Initial Rotation	-90.00 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	75.00 mm
Position	L65.2 P26.4 H230.7 mm
Orientation	T > C-12.3 > S-4.0
Shape	Standard
Saturation Region	2
Thickness	75.00 mm
Position	L65.2 P26.4 H230.7 mm
Orientation	T > C-12.3 > S-4.0
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	20 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

Position	Isocenter
Orientation	Coronal
Rotation	0.00 deg
R >> L	320 mm
F >> H	320 mm
A >> P	92 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	500.0 ms
Concatenations	3

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	3

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	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

Sequence - Part 1

Sequence Name	tse
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None

Sequence - Part 1

Bandwidth	219 Hz/Px
Echo Spacing	9.06 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	96

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	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	4000.0 ms
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_extremity_tumour\t1_tse_cor_drb *

TA: 2:48 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 2/2

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
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	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	448
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	26
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	29
Distance Factor	5 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	H >> F
Phase Oversampling	200 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	500.0 ms
TE	9.00 ms
Averages	1
Concatenations	3
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	29
Distance Factor	5 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	H >> F
Phase Oversampling	200 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	500.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	3

Contrast - Common

TR	500.0 ms
TE	9.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	135 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	H >> F
AutoAlign	---
Initial Position	L0.0 P0.0 F20.0
L	0.0 mm
P	0.0 mm
F	20.0 mm
Initial Orientation	Coronal
Initial Rotation	-90.00 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	75.00 mm
Position	L65.2 P26.4 H230.7 mm
Orientation	T > C-12.3 > S-4.0
Shape	Standard
Saturation Region	2
Thickness	75.00 mm
Position	L65.2 P26.4 H230.7 mm
Orientation	T > C-12.3 > S-4.0
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	90 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

Position	Isocenter
Orientation	Coronal
Rotation	-90.00 deg
F >> H	320 mm
R >> L	320 mm
A >> P	92 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	500.0 ms
Concatenations	3

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	3

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	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

Sequence - Part 1

Sequence Name	tse
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None

Sequence - Part 1

Bandwidth	223 Hz/Px
Echo Spacing	8.96 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	110

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	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	4000.0 ms
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_extremity_tumour\t2_tse_fs-dixon_tra *

TA: 1:46 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	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	36
Distance Factor	20 %
Position	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Phase Encoding Dir.	A >> P
Phase Oversampling	100 %
FOV Read	180 mm
FOV Phase	90.6 %
Slice Thickness	4.0 mm
TR	4200.0 ms
TE	77.00 ms
Averages	1
Concatenations	1
AutoAlign	---

Contrast - Common

TR	4200.0 ms
TE	77.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Dixon
Fat Saturation	Strong
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	180 mm
FOV Phase	90.6 %
Slice Thickness	4.0 mm
Base Resolution	256
Phase Resolution	75 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	SMS
Reference Scans	TSE/Separate
Acceleration Factor PE	2
Reference Lines PE	64
SMS Factor	2
FOV Shift Factor	4
Deep Resolve	On
Phase Partial Fourier	Off
Asymmetric Echo	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	36
Distance Factor	20 %
Position	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Phase Encoding Dir.	A >> P
Phase Oversampling	100 %
FOV Read	180 mm
FOV Phase	90.6 %
Slice Thickness	4.0 mm
TR	4200.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	R88.3 P44.6 F45.0
R	88.3 mm

Geometry - AutoAlign

P	44.6 mm
F	45.0 mm
Initial Orientation	T > C
T > C	2.40
> S	1.70
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	45 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	H >> F
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	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Rotation	0.00 deg
A >> P	164 mm
R >> L	180 mm
F >> H	172 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	4200.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Dixon
Magn. Preparation	None
Dark Blood	Off
FOV Read	180 mm
FOV Phase	90.6 %
Phase Resolution	75 %
Trajectory	Cartesian

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	tseR
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	260 Hz/Px
Echo Spacing	12.90 ms
Asymmetric Echo	Off
Define	Turbo Factor
Turbo Factor	16
Echo Trains per Slice	11

Sequence - Part 2

Introduction	On
Phase Correction	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	On

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\User\Head\Epilepsylsola_xa61_extremity_tumour\t1_tse_fs-dixon_tra *

TA: 2:28 min Coil Selection: Auto Voxel Size: 0.4×0.4×5.0 mm³ Acc:: 4 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	36
Distance Factor	20 %
Position	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Phase Encoding Dir.	A >> P
Phase Oversampling	60 %
FOV Read	180 mm
FOV Phase	93.8 %
Slice Thickness	5.0 mm
TR	540.0 ms
TE	13.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	540.0 ms
TE	13.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	136 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Dixon
Fat Saturation	Strong
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	180 mm
FOV Phase	93.8 %
Slice Thickness	5.0 mm
Base Resolution	256
Phase Resolution	100 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	SMS
Reference Scans	TSE/Separate
Acceleration Factor PE	2
Reference Lines PE	64
SMS Factor	2
FOV Shift Factor	4
Deep Resolve	Off
Phase Partial Fourier	Off
Asymmetric Echo	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	36
Distance Factor	20 %
Position	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Phase Encoding Dir.	A >> P
Phase Oversampling	60 %
FOV Read	180 mm
FOV Phase	93.8 %
Slice Thickness	5.0 mm
TR	540.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	R88.3 P44.6 F45.0
R	88.3 mm

Geometry - AutoAlign

P	44.6 mm
F	45.0 mm
Initial Orientation	T > C
T > C	2.40
> S	1.70
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	45 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	H >> F
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	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Rotation	0.00 deg
A >> P	169 mm
R >> L	180 mm
F >> H	215 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	540.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Dixon
Magn. Preparation	None
Dark Blood	Off
FOV Read	180 mm
FOV Phase	93.8 %
Phase Resolution	100 %
Trajectory	Cartesian

Physio - PACE

Resp. Control	Off
Concatenations	2

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	tse
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	250 Hz/Px
Echo Spacing	13.06 ms
Asymmetric Echo	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	64

Sequence - Part 2

Introduction	On
Phase Correction	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	On

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_extremity_tumourlep2d_diff_b50_800_tra_extremity *

TA: 3:58 min Coil Selection: Auto Voxel Size: 1.0x1.0x4.0 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	Off
Load Images to Graphic Segments	Off
Graphic segment	3rd Segment
Inline Movie	Off

Routine

Slice Group	1
Slices	36
Distance Factor	20 %
Position	L75.0 P78.9 F70.9 mm
Orientation	T > C2.4 > S1.1
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	80.0 %
Slice Thickness	4.0 mm
TR	7200.0 ms
TE	49.00 ms
Concatenations	1
AutoAlign	---

Contrast - Common

TR	7200.0 ms
TE	49.00 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	SPAIR
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Delay in TR	0.00 ms

Resolution - Common

FOV Read	180 mm
FOV Phase	80.0 %
Slice Thickness	4.0 mm
Base Resolution	90
Phase Resolution	75 %

Resolution - Common

Interpolation	On
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Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	30
Deep Resolve	Off
Phase Partial Fourier	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	36
Distance Factor	20 %
Position	L75.0 P78.9 F70.9 mm
Orientation	T > C2.4 > S1.1
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	80.0 %
Slice Thickness	4.0 mm
TR	7200.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L75.0 P78.9 F70.9 mm
Orientation	T > C2.4 > S1.1
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L75.0 P78.9 F70.9
L	75.0 mm
P	78.9 mm
F	70.9 mm
Initial Orientation	T > C
T > C	2.40
> S	1.10
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	71 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	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

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

System - Adjust Volume

Position	L75.0 P78.9 F70.9 mm
Orientation	T > C2.4 > S1.1
Rotation	0.00 deg
A >> P	144 mm
R >> L	180 mm
F >> H	172 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000

Physio - Signal

1st Signal/Mode	None
TR	7200.0 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	3D Diagonal
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Diff

Diff. Directions	1
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	50 s/mm ²
b-value 2	800 s/mm ²
Averages 1	5
Averages 2	25
Complex Averaging	Off
Dynamic Field Correction	On
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	Off
Tensor	Off
FA Maps	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm ²
ADC Noise Threshold	10
Noise Masking	Off
Calculated Image	Off

Sequence - Part 1

Sequence Name	epse
Excitation	Standard
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	1424 Hz/Px
Echo Spacing	0.81 ms
Free Echo Spacing	Off
Optimization	Min. TE
EPI Factor	54

Sequence - Part 2

Introduction	On
Phase Correction	External

Sequence - Assistant

SAR Assistant	Off
Optimization	Min. TE

\\User\Head\Epilepsy\sola_xa61_extremity_tumour\t1_tse_cor_drb *

TA: 3:20 min Coil Selection: Auto Voxel Size: 0.3×0.3×3.0 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	On
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	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	512
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	24
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	30
Distance Factor	15 %
Position	R18.3 P49.4 F26.9 mm
Orientation	C > S-14.3
Phase Encoding Dir.	H >> F
Phase Oversampling	200 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	526.0 ms
TE	11.00 ms
Averages	1
Concatenations	3
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	15 %
Position	R18.3 P49.4 F26.9 mm
Orientation	C > S-14.3
Phase Encoding Dir.	H >> F
Phase Oversampling	200 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	526.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	3

Contrast - Common

TR	526.0 ms
TE	11.00 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.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	R18.3 P49.4 F26.9 mm
Orientation	C > S-14.3
Phase Encoding Dir.	H >> F
AutoAlign	---
Initial Position	R18.3 P49.4 F26.9
R	18.3 mm
P	49.4 mm
F	26.9 mm
Initial Orientation	C > S
C > S	-14.30

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - AutoAlign

> T	0.00
Initial Rotation	-90.43 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	75.00 mm
Position	L65.2 P26.4 H223.7 mm
Orientation	T > C-12.3 > S-4.0
Shape	Standard
Saturation Region	2
Thickness	75.00 mm
Position	L65.2 P26.4 H223.7 mm
Orientation	T > C-12.3 > S-4.0
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	27 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	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

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

System - Adjust Volume

Position	R18.3 P49.4 F26.9 mm
Orientation	C > S-14.3
Rotation	-90.43 deg
F >> H	320 mm
R >> L	320 mm
A >> P	104 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	526.0 ms
Concatenations	3

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	3

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	tse
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	153 Hz/Px
Echo Spacing	11.3 ms
Free Echo Spacing	Off
Define	Turbo Factor

Sequence - Part 1

Turbo Factor	3
Echo Trains per Slice	125

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	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	4000.0 ms
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_extremity_tumour\t2_qtse_stir_cor_VAT *

TA: 2:30 min Coil Selection: Auto Voxel Size: 0.7×0.7×4.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 1/2**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	50
Distance Factor	10 %
Position	L93.5 P30.8 F382.8 mm
Orientation	C > T17.1 > S3.8
Phase Encoding Dir.	F >> H
Phase Oversampling	150 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	3700.0 ms
TE	43.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	3700.0 ms
TE	43.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	160 ms
Freeze Suppr. Tissue	On
Flip Angle 1	125 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

Contrast - Dynamic

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

Resolution - Common

FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	288
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	26
Deep Resolve	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	10 %
Position	L93.5 P30.8 F382.8 mm
Orientation	C > T17.1 > S3.8
Phase Encoding Dir.	F >> H
Phase Oversampling	150 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	3700.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L93.5 P30.8 F382.8 mm
Orientation	C > T17.1 > S3.8
Phase Encoding Dir.	F >> H
AutoAlign	---
Initial Position	L93.5 P30.8 F382.8
L	93.5 mm
P	30.8 mm

Geometry - AutoAlign

F	382.8 mm
Initial Orientation	C > T
C > T	17.10
> S	3.80
Initial Rotation	90.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	70.00 mm
Position	L168.2 P29.5 F120.2 mm
Orientation	T > C6.1 > S-1.3
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	383 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Angio
Series Description	

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

System - Adjust Volume

Position	L93.5 P30.8 F382.8 mm
Orientation	C > T17.1 > S3.8
Rotation	90.00 deg
F >> H	400 mm
R >> L	400 mm

System - Adjust Volume

A >> P	220 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3700.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	160 ms
Dark Blood	Off
FOV Read	400 mm
FOV Phase	100.0 %
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	On
Normalize	Off
Save non-normalized	On
Composing Function	Angio
Series Description	

Sequence - Part 1

Sequence Name	tirV
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	362 Hz/Px
Echo Spacing	7.12 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	11
Echo Trains per Slice	19

Sequence - Part 2

Introduction	On
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	Off
WARP	On
VAT	50 %
SEMAC	0
Red. EC Sensitivity	Off
Acoustic noise reduction	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_extremity_tumour\t2_qtse_stir_cor_VAT *

TA: 2:30 min Coil Selection: Auto Voxel Size: 0.7×0.7×4.0 mm³ Acc.: 3 Rel. SNR: 1.00 | Substep: 2/2**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	50
Distance Factor	10 %
Position	L93.5 A45.0 F641.4 mm
Orientation	C > T17.1 > S3.8
Phase Encoding Dir.	F >> H
Phase Oversampling	150 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	3700.0 ms
TE	43.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	3700.0 ms
TE	43.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	160 ms
Freeze Suppr. Tissue	On
Flip Angle 1	125 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

Contrast - Dynamic

Multiple Series	Each Measurement
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Resolution - Common

FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	288
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	26
Deep Resolve	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	10 %
Position	L93.5 A45.0 F641.4 mm
Orientation	C > T17.1 > S3.8
Phase Encoding Dir.	F >> H
Phase Oversampling	150 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	3700.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L93.5 A45.0 F641.4 mm
Orientation	C > T17.1 > S3.8
Phase Encoding Dir.	F >> H
AutoAlign	---
Initial Position	L93.5 P30.8 F382.8
L	93.5 mm
P	30.8 mm

Geometry - AutoAlign

F	382.8 mm
Initial Orientation	C > T
C > T	17.10
> S	3.80
Initial Rotation	90.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	70.00 mm
Position	L168.2 P29.5 F120.2 mm
Orientation	T > C6.1 > S-1.3
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	641 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Angio
Series Description	

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

System - Adjust Volume

Position	L93.5 A45.0 F641.4 mm
Orientation	C > T17.1 > S3.8
Rotation	90.00 deg
F >> H	400 mm
R >> L	400 mm

System - Adjust Volume

A >> P	220 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3700.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	160 ms
Dark Blood	Off
FOV Read	400 mm
FOV Phase	100.0 %
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	On
Normalize	Off
Save non-normalized	On
Composing Function	Angio
Series Description	

Sequence - Part 1

Sequence Name	tirV
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	362 Hz/Px
Echo Spacing	7.12 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	11
Echo Trains per Slice	19

Sequence - Part 2

Introduction	On
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	Off
WARP	On
VAT	50 %
SEMAC	0
Red. EC Sensitivity	Off
Acoustic noise reduction	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

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TA: 3:20 min Coil Selection: Auto Voxel Size: 0.4x0.4x4.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 1/3**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	40
Distance Factor	25 %
Position	L95.9 P51.7 F315.3 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	3000.0 ms
TE	54.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	3000.0 ms
TE	54.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	160 ms
Freeze Suppr. Tissue	Off
Flip Angle 1	126 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

Contrast - Dynamic

Multiple Series	Off
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Resolution - Common

FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	400
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve	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	40
Distance Factor	25 %
Position	L95.9 P51.7 F315.3 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	3000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L95.9 P51.7 F315.3 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L95.9 P51.7 F315.3
L	95.9 mm
P	51.7 mm

Geometry - AutoAlign

F	315.3 mm
Initial Orientation	T > C
T > C	-15.60
> S	1.10
Initial Rotation	90.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	76.00 mm
Position	L112.5 P85.6 F159.2 mm
Orientation	T > C-12.3 > S-0.6
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	315 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	Med >> Lat
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	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3000.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	160 ms
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
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	tirV
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	298 Hz/Px
Echo Spacing	7.66 ms
Free Echo Spacing	Off

Sequence - Part 1

Define	Turbo Factor
Turbo Factor	9
Echo Trains per Slice	32

Sequence - Part 2

Introduction	On
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off
WARP	On
VAT	40 %
SEMAC	0
Red. EC Sensitivity	Off
Acoustic noise reduction	Off
Reduce Motion Sens.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	5000.0 ms
Allowed Delay	30 s

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TA: 3:20 min Coil Selection: Auto Voxel Size: 0.4x0.4x4.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 2/3**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	40
Distance Factor	25 %
Position	L104.5 A2.9 F490.8 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	3000.0 ms
TE	54.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	3000.0 ms
TE	54.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	160 ms
Freeze Suppr. Tissue	Off
Flip Angle 1	126 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

Contrast - Dynamic

Multiple Series	Off
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Resolution - Common

FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	400
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve	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	40
Distance Factor	25 %
Position	L104.5 A2.9 F490.8 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	3000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L104.5 A2.9 F490.8 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L95.9 P51.7 F315.3
L	95.9 mm
P	51.7 mm

Geometry - AutoAlign

F	315.3 mm
Initial Orientation	T > C
T > C	-15.60
> S	1.10
Initial Rotation	90.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	76.00 mm
Position	L112.5 P85.6 F159.2 mm
Orientation	T > C-12.3 > S-0.6
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	491 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	Med >> Lat
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	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3000.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	160 ms
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
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	tirV
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	298 Hz/Px
Echo Spacing	7.66 ms
Free Echo Spacing	Off

Sequence - Part 1

Define	Turbo Factor
Turbo Factor	9
Echo Trains per Slice	32

Sequence - Part 2

Introduction	On
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off
WARP	On
VAT	40 %
SEMAC	0
Red. EC Sensitivity	Off
Acoustic noise reduction	Off
Reduce Motion Sens.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	5000.0 ms
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_extremity_tumourlt2_tse_stir_tra VAT *

TA: 3:20 min Coil Selection: Auto Voxel Size: 0.4x0.4x4.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 3/3**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	33
Distance Factor	25 %
Position	L108.0 A49.7 F657.6 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	3000.0 ms
TE	54.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	3000.0 ms
TE	54.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	160 ms
Freeze Suppr. Tissue	Off
Flip Angle 1	126 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
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Contrast - Dynamic

Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	400
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve	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	33
Distance Factor	25 %
Position	L108.0 A49.7 F657.6 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	3000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L108.0 A49.7 F657.6 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L95.9 P51.7 F315.3

Geometry - AutoAlign

L	95.9 mm
P	51.7 mm
F	315.3 mm
Initial Orientation	T > C
T > C	-15.60
> S	1.10
Initial Rotation	90.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	76.00 mm
Position	L112.5 P85.6 F159.2 mm
Orientation	T > C-12.3 > S-0.6
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	658 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	Med >> Lat
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	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3000.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	160 ms
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
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	tirV
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	298 Hz/Px
Echo Spacing	7.66 ms
Free Echo Spacing	Off

Sequence - Part 1

Define	Turbo Factor
Turbo Factor	9
Echo Trains per Slice	32

Sequence - Part 2

Introduction	On
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off
WARP	On
VAT	40 %
SEMAC	0
Red. EC Sensitivity	Off
Acoustic noise reduction	Off
Reduce Motion Sens.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	5000.0 ms
Allowed Delay	30 s

\\User\Head\Epilepsy\Isola_xa61_extremity_tumour\t1_tse_tra VAT *

TA: 2:14 min Coil Selection: Auto Voxel Size: 0.4x0.4x4.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 1/3**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	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	432
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	4
Reference Lines PE	24
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	40
Distance Factor	25 %
Position	L103.1 P51.7 F316.7 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	A >> P
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	420.0 ms
TE	7.50 ms
Averages	1
Concatenations	4
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	40
Distance Factor	25 %
Position	L103.1 P51.7 F316.7 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	A >> P
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	420.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	4

Contrast - Common

TR	420.0 ms
TE	7.50 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	126 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	L103.1 P51.7 F316.7 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L103.1 P51.7 F316.7
L	103.1 mm
P	51.7 mm
F	316.7 mm
Initial Orientation	T > C

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Geometry - AutoAlign

T > C	-15.60
> S	1.10
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	76.00 mm
Position	L112.5 P85.6 F159.2 mm
Orientation	T > C-12.3 > S-0.6
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	317 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	Med >> Lat
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	63.665415 MHz
? Ref. Amplitude 1H	0.000 V

System - Tx/Rx

Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	420.0 ms
Concatenations	4

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	4

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	tseV
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	322 Hz/Px
Echo Spacing	7.54 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	78

Sequence - Part 2

Introduction	On
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off
WARP	On
VAT	50 %
SEMAC	0
Red. EC Sensitivity	Off
Acoustic noise reduction	Off
Reduce Motion Sens.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	700.0 ms
Allowed Delay	30 s

\\User\Head\Epilepsy\Isola_xa61_extremity_tumour\t1_tse_tra VAT *

TA: 2:14 min Coil Selection: Auto Voxel Size: 0.4x0.4x4.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 2/3**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	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	432
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	4
Reference Lines PE	24
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	40
Distance Factor	25 %
Position	L108.8 A2.1 F489.4 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	A >> P
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	420.0 ms
TE	7.80 ms
Averages	1
Concatenations	4
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	40
Distance Factor	25 %
Position	L108.8 A2.1 F489.4 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	A >> P
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	420.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	4

Contrast - Common

TR	420.0 ms
TE	7.80 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	126 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

Geometry - AutoAlign

Slice Group	1
Position	L108.8 A2.1 F489.4 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L95.9 P51.7 F315.3
L	95.9 mm
P	51.7 mm
F	315.3 mm
Initial Orientation	T > C
T > C	-15.60

Geometry - AutoAlign

> S	1.10
Initial Rotation	90.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	76.00 mm
Position	L112.5 P85.6 F159.2 mm
Orientation	T > C-12.3 > S-0.6
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	489 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	Med >> Lat
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	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off

System - Tx/Rx

Image Scaling	1.000
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Physio - Signal

1st Signal/Mode	None
TR	420.0 ms
Concatenations	4

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	4

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	tseV
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	297 Hz/Px
Echo Spacing	7.80 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	78

Sequence - Part 2

Introduction	On
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off
WARP	On
VAT	50 %
SEMAC	0
Red. EC Sensitivity	Off
Acoustic noise reduction	Off
Reduce Motion Sens.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	700.0 ms
Allowed Delay	30 s

\\User\Head\Epilepsy\Isola_xa61_extremity_tumour\t1_tse_tra VAT *

TA: 2:14 min Coil Selection: Auto Voxel Size: 0.4x0.4x4.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 3/3**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	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
Base Resolution	432
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	4
Reference Lines PE	24
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	36
Distance Factor	25 %
Position	L112.4 A50.7 F661.7 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	A >> P
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	420.0 ms
TE	7.80 ms
Averages	1
Concatenations	4
AutoAlign	---

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	25 %
Position	L112.4 A50.7 F661.7 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	A >> P
Phase Oversampling	150 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	4.0 mm
TR	420.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	4

Contrast - Common

TR	420.0 ms
TE	7.80 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	126 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	L112.4 A50.7 F661.7 mm
Orientation	T > C-15.6 > S1.1
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L95.9 P51.7 F315.3
L	95.9 mm
P	51.7 mm
F	315.3 mm
Initial Orientation	T > C

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Geometry - AutoAlign

T > C	-15.60
> S	1.10
Initial Rotation	90.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	76.00 mm
Position	L112.5 P85.6 F159.2 mm
Orientation	T > C-12.3 > S-0.6
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	662 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	Med >> Lat
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	63.665415 MHz
? Ref. Amplitude 1H	0.000 V

System - Tx/Rx

Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	420.0 ms
Concatenations	4

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	4

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	tseV
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	297 Hz/Px
Echo Spacing	7.80 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	78

Sequence - Part 2

Introduction	On
Phase Correction	Off
Compensate T2 Decay	Off
Fast Mode	Off
WARP	On
VAT	50 %
SEMAC	0
Red. EC Sensitivity	Off
Acoustic noise reduction	Off
Reduce Motion Sens.	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	700.0 ms
Allowed Delay	30 s

\\User\Head\Epilepsy\sola_xa61_extremity_tumour\t1_tse_fs_cor_drb_gd *

TA: 3:07 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.0 mm³ Acc.: 3 Rel. SNR: 1.00 | Substep: 1/2**Properties**

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
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	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	448
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	24
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	29
Distance Factor	5 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	160 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	631.0 ms
TE	9.10 ms
Averages	1
Concatenations	3
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	29
Distance Factor	5 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	160 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	631.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	3

Contrast - Common

TR	631.0 ms
TE	9.10 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	135 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

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P0.0 F20.0
L	0.0 mm
P	0.0 mm
F	20.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	75.00 mm
Position	L65.2 P26.4 H230.7 mm
Orientation	T > C-12.3 > S-4.0
Shape	Standard
Saturation Region	2
Thickness	75.00 mm
Position	L65.2 P26.4 H230.7 mm
Orientation	T > C-12.3 > S-4.0
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	20 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

Position	Isocenter
Orientation	Coronal
Rotation	0.00 deg
R >> L	320 mm
F >> H	320 mm
A >> P	92 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	631.0 ms
Concatenations	3

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	3

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	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

Sequence - Part 1

Sequence Name	tse
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None

Sequence - Part 1

Bandwidth	219 Hz/Px
Echo Spacing	9.06 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	96

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	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	4000.0 ms
Allowed Delay	30 s

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TA: 3:32 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 2/2**Properties**

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
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	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	448
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	26
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	29
Distance Factor	5 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	H >> F
Phase Oversampling	200 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	627.0 ms
TE	9.00 ms
Averages	1
Concatenations	3
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	29
Distance Factor	5 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	H >> F
Phase Oversampling	200 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	627.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	3

Contrast - Common

TR	627.0 ms
TE	9.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	135 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

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	H >> F
AutoAlign	---
Initial Position	L0.0 P0.0 F20.0
L	0.0 mm
P	0.0 mm
F	20.0 mm
Initial Orientation	Coronal
Initial Rotation	-90.00 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	75.00 mm
Position	L65.2 P26.4 H230.7 mm
Orientation	T > C-12.3 > S-4.0
Shape	Standard
Saturation Region	2
Thickness	75.00 mm
Position	L65.2 P26.4 H230.7 mm
Orientation	T > C-12.3 > S-4.0
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	90 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

Position	Isocenter
Orientation	Coronal
Rotation	-90.00 deg
F >> H	320 mm
R >> L	320 mm
A >> P	92 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	627.0 ms
Concatenations	3

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	3

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	On
Normalize	Weak
Save non-normalized	On
Composing Function	Adaptive
Series Description	

Sequence - Part 1

Sequence Name	tse
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None

Sequence - Part 1

Bandwidth	223 Hz/Px
Echo Spacing	8.96 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	110

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	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	4000.0 ms
Allowed Delay	30 s

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TA: 2:28 min Coil Selection: Auto Voxel Size: 0.4×0.4×5.0 mm³ Acc:: 4 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	36
Distance Factor	20 %
Position	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Phase Encoding Dir.	A >> P
Phase Oversampling	60 %
FOV Read	180 mm
FOV Phase	93.8 %
Slice Thickness	5.0 mm
TR	540.0 ms
TE	13.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	540.0 ms
TE	13.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	136 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Dixon
Fat Saturation	Strong
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	180 mm
FOV Phase	93.8 %
Slice Thickness	5.0 mm
Base Resolution	256
Phase Resolution	100 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	SMS
Reference Scans	TSE/Separate
Acceleration Factor PE	2
Reference Lines PE	64
SMS Factor	2
FOV Shift Factor	4
Deep Resolve	Off
Phase Partial Fourier	Off
Asymmetric Echo	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	36
Distance Factor	20 %
Position	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Phase Encoding Dir.	A >> P
Phase Oversampling	60 %
FOV Read	180 mm
FOV Phase	93.8 %
Slice Thickness	5.0 mm
TR	540.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	R88.3 P44.6 F45.0
R	88.3 mm

Geometry - AutoAlign

P	44.6 mm
F	45.0 mm
Initial Orientation	T > C
T > C	2.40
> S	1.70
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	45 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	H >> F
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	R88.3 P44.6 F45.0 mm
Orientation	T > C2.4 > S1.7
Rotation	0.00 deg
A >> P	169 mm
R >> L	180 mm
F >> H	215 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	540.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Dixon
Magn. Preparation	None
Dark Blood	Off
FOV Read	180 mm
FOV Phase	93.8 %
Phase Resolution	100 %
Trajectory	Cartesian

Physio - PACE

Resp. Control	Off
Concatenations	2

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	tse
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	250 Hz/Px
Echo Spacing	13.06 ms
Asymmetric Echo	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	64

Sequence - Part 2

Introduction	On
Phase Correction	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	On

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

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TA: 2:35 min Coil Selection: Auto Voxel Size: 0.3×0.3×3.0 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	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	90.9 %
Slice Thickness	3.0 mm
Base Resolution	352
Phase Resolution	75 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	26
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	21
Distance Factor	10 %
Position	L83.0 P51.4 F197.4 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Phase Oversampling	100 %
FOV Read	200 mm
FOV Phase	90.9 %
Slice Thickness	3.0 mm
TR	1290.0 ms
TE	11.00 ms
Averages	2
Concatenations	1
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	21
Distance Factor	10 %
Position	L83.0 P51.4 F197.4 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Phase Oversampling	100 %
FOV Read	200 mm
FOV Phase	90.9 %
Slice Thickness	3.0 mm
TR	1290.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Contrast - Common

TR	1290.0 ms
TE	11.00 ms
MTC	Off
Magn. Preparation	None
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

Geometry - AutoAlign

Slice Group	1
Position	L83.0 P51.4 F197.4 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L83.0 P51.4 F197.4
L	83.0 mm
P	51.4 mm
F	197.4 mm
Initial Orientation	Sagittal
Initial Rotation	-4.80 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	197 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	Med >> Lat
Coronal	A >> P
Transversal	H >> F
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	L83.0 P51.4 F197.4 mm
Orientation	Sagittal
Rotation	-4.80 deg
A >> P	182 mm
F >> H	200 mm
R >> L	69 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.665415 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	1290.0 ms
Concatenations	1

Physio - Cardiac

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

Physio - Cardiac

FOV Read	200 mm
FOV Phase	90.9 %
Phase Resolution	75 %
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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Sequence - Part 1

Sequence Name	tse_rr
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	Read
Bandwidth	165 Hz/Px
Echo Spacing	10.9 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	59

Sequence - Part 2

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

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s