SIEMENS MAGNETOM Verio syngo MR B17

\\USER\Neurography_JHH_Verio\Carpal Tunnel\Routine\Scout AX RT or LT

TA: 7.3 s PAT: Off Voxel size: 3.1×1.6×8.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	3
Dist. factor	50 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	8.0 mm
TR	15.0 ms
TE	5.00 ms
Averages	1
Concatenations	3
Filter	Distortion Corr.(2D), Elliptical filter
Coil elements	WR

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	40 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	50 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	0 mm
Inline Composing	Off

System

Body	Off
WR	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Segments	1
Tagging	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off

MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Off
Bandwidth	180 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Fast
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Carpal Tunnel\Routine\Scout Sag+Coro RT or LT

TA: 0:13 PAT: Off Voxel size: 2.0×1.0×8.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	3
Dist. factor	50 %
Position	L12.4 A12.0 H0.0
Orientation	S > T-35.6 > C1.5
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 2	
Slices	3
Dist. factor	20 %
Position	L26.2 A8.2 F10.5
Orientation	C > S-1.8
Phase enc. dir.	R >> L
Rotation	32.00 deg
Phase oversampling	0 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	8.0 mm
TR	15 ms
TE	5.00 ms
Averages	1
Concatenations	6
Filter	Distortion Corr.(2D), Elliptical filter
Coil elements	WR

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	40 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	50 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	10 mm
Inline Composing	Off

System

Body	Off
WR	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Sum of Squares
Auto Coil Select	Off
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Segments	1
Tagging	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off

MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Off
Bandwidth	180 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Fast
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

SIEMENS MAGNETOM Verio syngo MR B17

\\USER\Neurography_JHH_Verio\Carpal Tunnel\Routine\T2 Axial SPAIR fs RT or LT

TA: 5:32 PAT: 2 Voxel size: 0.4×0.4×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	10 %
Position	R32.4 P1.9 H4.4
Orientation	T > S20.1 > C-3.3
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
FoV read	100 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	4350 ms
TE	59 ms
Averages	4
Concatenations	2
Filter	Distortion Corr.(2D), Elliptical filter, B1 filter
Coil elements	WR

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	170 deg
Fat suppr.	SPAIR
Fat sat. mode	Weak
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Self-calibration
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel F/H
Gap	10 mm
Thickness	50 mm
Set-n-Go Protocol	Off
Table position	H
Table position	4 mm
Inline Composing	Off

System

Body	Off
WR	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R32.4 P1.9 H4.4
Orientation	T > S20.1 > C-3.3
Rotation	90.00 deg
A >> P	100 mm
R >> L	100 mm
F >> H	77 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off

Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	230 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	11.9 ms
Define	Turbo factor
Turbo factor	15
Echo trains per slice	9
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Carpal Tunnel\Routine\T1 Ax no fs RT or LT

TA: 3:58 PAT: Off Voxel size: 0.3×0.3×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	10 %
Position	R30.5 P3.0 H4.4
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	100 mm
FoV phase	62.5 %
Slice thickness	2.0 mm
TR	731 ms
TE	26 ms
Averages	2
Concatenations	4
Filter	Distortion Corr.(2D), Elliptical filter, B1 filter
Coil elements	WR

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	60 mm
Position	L1.1 P15.7 H191.8
Orientation	T > S20.0 > C-2.9
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	4 mm
Inline Composing	Off

System

Body	Off
WR	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off

Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	260 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	13.2 ms
Define	Turbo factor
Turbo factor	5
Echo trains per slice	40
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Carpal Tunnel\Routine\T2 spc Coro SPAIR iso

TA: 7:08 PAT: 2 Voxel size: 1.0×1.0×1.0 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Position	L7.2 P13.7 F39.7
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Phase oversampling	100 %
Slice oversampling	6.7 %
Slices per slab	120
FoV read	125 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	1000 ms
TE	99 ms
Averages	1.4
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	NE1,2;SP1

Contrast

MTC	Off
Magn. preparation	None
Flip angle	130 deg
Fat suppr.	SPAIR
Fat sat. mode	Strong
Water suppr.	None
Restore magn.	On
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	128
Phase resolution	100 %
Slice resolution	80 %
Phase partial Fourier	Allowed
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

Geometry

Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	40 mm
Inline Composing	Off

System

Body	Off
NE2	On
NE1	On
HEP	Off
FL	Off
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L7.2 P13.7 F39.7
Orientation	Coronal
Rotation	0.00 deg
F >> H	125 mm
R >> L	125 mm
A >> P	120 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off

Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	3D
Bandwidth	501 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	4.26 ms
Adiabatic-mode	Off
Define	Echo trains
Turbo factor	47
Slice turbo factor	1
Echo trains per slice	3
Echo train duration	192
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	Constant

\\USER\Neurography_JHH_Verio\Carpal Tunnel\Routine\PD COR fs LT or RT

TA: 6:37 PAT: Off Voxel size: 0.3×0.3×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	24
Dist. factor	10 %
Position	L86.3 A47.0 H16.3
Orientation	C > S3.8 > T2.0
Phase enc. dir.	R >> L
Rotation	31.40 deg
Phase oversampling	0 %
FoV read	100 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	3240 ms
TE	41 ms
Averages	3
Concatenations	1
Filter	Distortion Corr.(2D), Elliptical filter, B1 filter
Coil elements	WR

Contrast

MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	Fat sat.
Fat sat. mode	Weak
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	16 mm
Inline Composing	Off

System

Body	Off
WR	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L86.3 A47.0 H16.3
Orientation	C > S3.8 > T2.0
Rotation	31.40 deg
F >> H	100 mm
R >> L	100 mm
A >> P	53 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off

MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	198 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	13.6 ms
Define	Turbo factor
Turbo factor	8
Echo trains per slice	40
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Carpal Tunnel\Routine\ep2d_dti_12 direction_p2

TA: 6:16 PAT: 2 Voxel size: 2.7×2.7×4.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_diff

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	25
Dist. factor	0 %
Position	R81.1 P56.7 H83.9
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	260 mm
FoV phase	81.6 %
Slice thickness	4.0 mm
TR	4800 ms
TE	75 ms
Averages	3
Concatenations	1
Filter	Raw filter
Coil elements	BO2;SP6

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	98
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	84 mm
Inline Composing	Off

System

Body	Off
BO1	Off
BO2	On
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	R97.5 P56.7 H83.9
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	144 mm
! A >> P	151 mm
! F >> H	119 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Diff

Diffusion mode	MDDW
Diff. weightings	3
b-value 1	0 s/mm²
b-value 2	800 s/mm²
b-value 3	1000 s/mm²
Diff. weighted images	On
Trace weighted images	On
Average ADC maps	On
Individual ADC maps	Off
FA maps	Off
Mosaic	On
Tensor	Off
Noise level	40
Diff. directions	12

Sequence

Introduction	On

Bandwidth	2126 Hz/Px
Free echo spacing	Off
Echo spacing	0.56 ms
EPI factor	80
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Carpal Tunnel\Routine\psif_fs_80b

TA: 5:06 PAT: Off Voxel size: 0.6×0.6×0.6 mm Rel. SNR: 1.00 SIEMENS: psif

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	L51.1 P17.3 F24.5
Orientation	S > T-30.1 > C11.9
Phase enc. dir.	A >> P
Rotation	2.60 deg
Phase oversampling	0 %
Slice oversampling	33.3 %
Slices per slab	144
FoV read	120 mm
FoV phase	100.0 %
Slice thickness	0.60 mm
TR	10.29 ms
TE	3.07 ms
Averages	1
Filter	Distortion Corr.(2D)
Coil elements	FS;SP1-3

Contrast

Flip angle	35 deg
Fat suppr.	Water excit. normal
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	192
Phase resolution	100 %
Slice resolution	80 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Set-n-Go Protocol	Off
Table position	F
Table position	25 mm
Inline Composing	Off

System

Body	Off
FS	On
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	On
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L51.1 P17.3 F24.5
Orientation	S > T-30.1 > C11.9
Rotation	2.60 deg
F >> H	120 mm
A >> P	120 mm
R >> L	87 mm

Diff

Diffusion mode	Read
Diff.moment mT/m*ms	90

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Bandwidth	420 Hz/Px
Flow comp.	Read
Optimization	None
Segments	1
RF pulse type	Fast
Gradient mode	Fast*
Excitation	Slab-sel.

\\USER\Neurography_JHH_Verio\Carpal Tunnel\With Contrast\Scout AX RT or LT

TA: 7.3 s PAT: Off Voxel size: 3.1×1.6×8.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	3
Dist. factor	50 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	8.0 mm
TR	15.0 ms
TE	5.00 ms
Averages	1
Concatenations	3
Filter	Distortion Corr.(2D), Elliptical filter
Coil elements	WR

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	40 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	50 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	0 mm
Inline Composing	Off

System

Body	Off
WR	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Segments	1
Tagging	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off

MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Off
Bandwidth	180 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Fast
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Carpal Tunnel\With Contrast\Scout Sag+Coro RT or LT

TA: 0:13 PAT: Off Voxel size: 2.0×1.0×8.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	3
Dist. factor	50 %
Position	L12.4 A12.0 H0.0
Orientation	S > T-35.6 > C1.5
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 2	
Slices	3
Dist. factor	20 %
Position	L26.2 A8.2 F10.5
Orientation	C > S-1.8
Phase enc. dir.	R >> L
Rotation	32.00 deg
Phase oversampling	0 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	8.0 mm
TR	15 ms
TE	5.00 ms
Averages	1
Concatenations	6
Filter	Distortion Corr.(2D), Elliptical filter
Coil elements	WR

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	40 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	50 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	10 mm
Inline Composing	Off

System

Body	Off
WR	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Sum of Squares
Auto Coil Select	Off
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Segments	1
Tagging	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off

MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Off
Bandwidth	180 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Fast
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Carpal Tunnel\With Contrast\T2 Axial SPAIR fs RT or LT

TA: 5:32 PAT: 2 Voxel size: 0.4×0.4×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	10 %
Position	R32.4 P1.9 H4.4
Orientation	T > S20.1 > C-3.3
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
FoV read	100 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	4350 ms
TE	59 ms
Averages	4
Concatenations	2
Filter	Distortion Corr.(2D), Elliptical filter, B1 filter
Coil elements	WR

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	170 deg
Fat suppr.	SPAIR
Fat sat. mode	Weak
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Self-calibration
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel F/H
Gap	10 mm
Thickness	50 mm
Set-n-Go Protocol	Off
Table position	H
Table position	4 mm
Inline Composing	Off

System

Body	Off
WR	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R32.4 P1.9 H4.4
Orientation	T > S20.1 > C-3.3
Rotation	90.00 deg
A >> P	100 mm
R >> L	100 mm
F >> H	77 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off

Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	230 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	11.9 ms
Define	Turbo factor
Turbo factor	15
Echo trains per slice	9
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Carpal Tunnel\With Contrast\T1 Ax no fs RT or LT

TA: 3:58 PAT: Off Voxel size: 0.3×0.3×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	10 %
Position	R30.5 P3.0 H4.4
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	100 mm
FoV phase	62.5 %
Slice thickness	2.0 mm
TR	731 ms
TE	26 ms
Averages	2
Concatenations	4
Filter	Distortion Corr.(2D), Elliptical filter, B1 filter
Coil elements	WR

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	60 mm
Position	L1.1 P15.7 H191.8
Orientation	T > S20.0 > C-2.9
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	4 mm
Inline Composing	Off

System

Body	Off
WR	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off

Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	260 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	13.2 ms
Define	Turbo factor
Turbo factor	5
Echo trains per slice	40
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Carpal Tunnel\With Contrast\T2 spc Coro SPAIR iso

TA: 7:08 PAT: 2 Voxel size: 1.0×1.0×1.0 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Position	L7.2 P13.7 F39.7
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Phase oversampling	100 %
Slice oversampling	6.7 %
Slices per slab	120
FoV read	125 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	1000 ms
TE	99 ms
Averages	1.4
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	NE1,2;SP1

Contrast

MTC	Off
Magn. preparation	None
Flip angle	130 deg
Fat suppr.	SPAIR
Fat sat. mode	Strong
Water suppr.	None
Restore magn.	On
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	128
Phase resolution	100 %
Slice resolution	80 %
Phase partial Fourier	Allowed
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

Geometry

Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	40 mm
Inline Composing	Off

System

Body	Off
NE2	On
NE1	On
HEP	Off
FL	Off
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L7.2 P13.7 F39.7
Orientation	Coronal
Rotation	0.00 deg
F >> H	125 mm
R >> L	125 mm
A >> P	120 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off

Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	3D
Bandwidth	501 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	4.26 ms
Adiabatic-mode	Off
Define	Echo trains
Turbo factor	47
Slice turbo factor	1
Echo trains per slice	3
Echo train duration	192
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	Constant

\\USER\Neurography_JHH_Verio\Carpal Tunnel\With Contrast\PD COR fs LT or RT

TA: 6:37 PAT: Off Voxel size: 0.3×0.3×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	24
Dist. factor	10 %
Position	L86.3 A47.0 H16.3
Orientation	C > S3.8 > T2.0
Phase enc. dir.	R >> L
Rotation	31.40 deg
Phase oversampling	0 %
FoV read	100 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	3240 ms
TE	41 ms
Averages	3
Concatenations	1
Filter	Distortion Corr.(2D), Elliptical filter, B1 filter
Coil elements	WR

Contrast

MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	Fat sat.
Fat sat. mode	Weak
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	16 mm
Inline Composing	Off

System

Body	Off
WR	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L86.3 A47.0 H16.3
Orientation	C > S3.8 > T2.0
Rotation	31.40 deg
F >> H	100 mm
R >> L	100 mm
A >> P	53 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off

MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	198 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	13.6 ms
Define	Turbo factor
Turbo factor	8
Echo trains per slice	40
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Carpal Tunnel\With Contrast\ep2d_dti_12 direction_p2

TA: 6:16 PAT: 2 Voxel size: 2.7×2.7×4.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_diff

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	25
Dist. factor	0 %
Position	R81.1 P56.7 H83.9
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	260 mm
FoV phase	81.6 %
Slice thickness	4.0 mm
TR	4800 ms
TE	75 ms
Averages	3
Concatenations	1
Filter	Raw filter
Coil elements	BO2;SP6

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	98
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	84 mm
Inline Composing	Off

System

Body	Off
BO1	Off
BO2	On
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	R97.5 P56.7 H83.9
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	144 mm
! A >> P	151 mm
! F >> H	119 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Diff

Diffusion mode	MDDW
Diff. weightings	3
b-value 1	0 s/mm²
b-value 2	800 s/mm²
b-value 3	1000 s/mm²
Diff. weighted images	On
Trace weighted images	On
Average ADC maps	On
Individual ADC maps	Off
FA maps	Off
Mosaic	On
Tensor	Off
Noise level	40
Diff. directions	12

Sequence

Introduction	On

Bandwidth	2126 Hz/Px
Free echo spacing	Off
Echo spacing	0.56 ms
EPI factor	80
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Carpal Tunnel\With Contrast\psif_fs_80b

TA: 5:06 PAT: Off Voxel size: 0.6×0.6×0.6 mm Rel. SNR: 1.00 SIEMENS: psif

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	L51.1 P17.3 F24.5
Orientation	S > T-30.1 > C11.9
Phase enc. dir.	A >> P
Rotation	2.60 deg
Phase oversampling	0 %
Slice oversampling	33.3 %
Slices per slab	144
FoV read	120 mm
FoV phase	100.0 %
Slice thickness	0.60 mm
TR	10.29 ms
TE	3.07 ms
Averages	1
Filter	Distortion Corr.(2D)
Coil elements	FS;SP1-3

Contrast

Flip angle	35 deg
Fat suppr.	Water excit. normal
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	192
Phase resolution	100 %
Slice resolution	80 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Set-n-Go Protocol	Off
Table position	F
Table position	25 mm
Inline Composing	Off

System

Body	Off
FS	On
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	On
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L51.1 P17.3 F24.5
Orientation	S > T-30.1 > C11.9
Rotation	2.60 deg
F >> H	120 mm
A >> P	120 mm
R >> L	87 mm

Diff

Diffusion mode	Read
Diff.moment mT/m*ms	90

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Bandwidth	420 Hz/Px
Flow comp.	Read
Optimization	None
Segments	1
RF pulse type	Fast
Gradient mode	Fast*
Excitation	Slab-sel.

\\USER\Neurography_JHH_Verio\Carpal Tunnel\With Contrast\T1vibe Coro Pre

TA: 2:55 PAT: 2 Voxel size: 0.6×0.6×0.6 mm Rel. SNR: 1.00 SIEMENS: fl3d_vibe

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	R7.9 P43.8 H13.0
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Phase oversampling	23 %
Slice oversampling	44.4 %
Slices per slab	144
FoV read	100 mm
FoV phase	75.0 %
Slice thickness	0.60 mm
TR	12.7 ms
TE	4.49 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	WR

Contrast

Flip angle	10.0 deg
Fat suppr.	Water excit. normal
Water suppr.	None
Dixon	No Dixon
Save original images	On
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	160
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	7/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
POCS	Off

Geometry

Multi-slice mode	Sequential
Series	Ascending
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	13 mm
Inline Composing	Off

System

Body	Off
WR	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R7.9 P43.8 H13.0
Orientation	Coronal
Rotation	0.00 deg
F >> H	100 mm
R >> L	75 mm
A >> P	87 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Inline

3D centric reordering	Off
Time to center	83.0 s
Subtract	On
Liver registration	Off
Autoscaling	Off

Scaling factor	1
Offset	0
Subtrahend	1
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	On
Asymmetric echo	Weak
Bandwidth	150 Hz/Px
Optimization	Min. TE
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Carpal Tunnel\With Contrast\T1vibe Coro Post

TA: 2:55 PAT: 2 Voxel size: 0.6×0.6×0.6 mm Rel. SNR: 1.00 SIEMENS: fl3d_vibe

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	R7.9 P43.8 H13.0
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Phase oversampling	23 %
Slice oversampling	44.4 %
Slices per slab	144
FoV read	100 mm
FoV phase	75.0 %
Slice thickness	0.60 mm
TR	12.7 ms
TE	4.49 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	WR

Contrast

Flip angle	10.0 deg
Fat suppr.	Water excit. normal
Water suppr.	None
Dixon	No Dixon
Save original images	On
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	160
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	7/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
POCS	Off

Geometry

Multi-slice mode	Sequential
Series	Ascending
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	13 mm
Inline Composing	Off

System

Body	Off
WR	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R7.9 P43.8 H13.0
Orientation	Coronal
Rotation	0.00 deg
F >> H	100 mm
R >> L	75 mm
A >> P	87 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Inline

3D centric reordering	Off
Time to center	83.0 s
Subtract	On
Liver registration	Off
Autoscaling	Off

Scaling factor	1
Offset	0
Subtrahend	1
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	On
Asymmetric echo	Weak
Bandwidth	150 Hz/Px
Optimization	Min. TE
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On

SIEMENS MAGNETOM Verio syngo MR B17

\\USER\Neurography_JHH_Verio\Brachial Plexus\Routine\Scout

TA: 0:35 PAT: Off Voxel size: 2.2×1.8×6.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	5
Dist. factor	50 %
Position	R16.7 P2.9 H0.0
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Slice group 2	
Slices	5
Dist. factor	50 %
Position	R10.9 P4.4 H0.0
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 3	
Slices	5
Dist. factor	150 %
Position	R0.2 P18.0 F39.5
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	38 %
FoV read	450 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	7.8 ms
TE	3.69 ms
Averages	1
Concatenations	15
Filter	Distortion Corr.(2D)
Coil elements	FL;HEP;NE1,2;SP1,2

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	20 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	80 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	0 mm
Inline Composing	Off

System

Body	Off
FL	On
NE2	On
NE1	On
HEP	On
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None

Segments	1
Tagging	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

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

\\USER\Neurography_JHH_Verio\Brachial Plexus\Routine\T2 spc Sag (position like a c-spine)

TA: 5:23 PAT: 2 Voxel size: 1.0×1.0×1.0 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Position	L4.3 P37.2 F35.1
Orientation	S > C-0.7 > T-0.1
Phase enc. dir.	H >> F
Rotation	83.40 deg
Phase oversampling	80 %
Slice oversampling	10.0 %
Slices per slab	80
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	1000 ms
TE	208 ms
Averages	1.4
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	HEP;NE1,2;SP1,2

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Allowed
Slice partial Fourier	7/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

Geometry

Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	35 mm
Inline Composing	Off

System

Body	Off
FL	Off
NE2	On
NE1	On
HEP	On
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off

Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	3D
Bandwidth	723 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	4.32 ms
Adiabatic-mode	On
Define	Echo trains
Turbo factor	81
Slice turbo factor	1
Echo trains per slice	3
Echo train duration	346
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	T2 var

\\USER\Neurography_JHH_Verio\Brachial Plexus\Routine\T2 spc Coro STIR Bilateral

TA: 5:47 PAT: 2 Voxel size: 0.9×0.8×1.0 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Position	L0.3 P24.5 H9.8
Orientation	C > T5.6 > S1.4
Phase enc. dir.	F >> H
Rotation	90.70 deg
Phase oversampling	80 %
Slice oversampling	25.0 %
Slices per slab	64
FoV read	270 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	1500 ms
TE	103 ms
Averages	1.7
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	FL;NE1,2;SP1,2

Contrast

MTC	Off
Magn. preparation	Non-sel. IR
TI	220 ms
Flip angle	95 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	320
Phase resolution	98 %
Slice resolution	85 %
Phase partial Fourier	Allowed
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

Geometry

Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	10 mm
Inline Composing	Off

System

Body	Off
FL	On
NE2	On
NE1	On
HEP	Off
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off

Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	3D
Bandwidth	539 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	4.24 ms
Adiabatic-mode	Off
Define	Echo trains
Turbo factor	147
Slice turbo factor	1
Echo trains per slice	2
Echo train duration	407
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	Constant

\\USER\Neurography_JHH_Verio\Brachial Plexus\Routine\STIR Sag Left

TA: 4:41 PAT: 2 Voxel size: 0.9×0.9×3.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	40
Dist. factor	33 %
Position	L68.9 P20.1 F15.1
Orientation	S > T-2.3 > C-1.3
Phase enc. dir.	A >> P
Rotation	-7.10 deg
Phase oversampling	0 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	3000 ms
TE	18 ms
Averages	5
Concatenations	3
Filter	Distortion Corr.(2D), Normalize, Elliptical filter, Image Filter
Coil elements	FL;HEP;NE1,2;SP1

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	220 ms
Freeze suppressed tissue	Off
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Triple
Reference scan mode	Self-calibration

Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	On
Intensity	Medium
Cut off	20
Width	4
Unfiltered images	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	110 mm
Position	R70.6 P22.8 F170.7
Orientation	T > S-18.1 > C4.9
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	15 mm
Inline Composing	Off

System

Body	Off
FL	On
NE2	On
NE1	On
HEP	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal

Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Read
Allowed delay	30 s
Echo spacing	8.9 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	6
RF pulse type	Low SAR
Gradient mode	Normal

\\USER\Neurography_JHH_Verio\Brachial Plexus\Routine\STIR Sag Right

TA: 4:41 PAT: 2 Voxel size: 0.9×0.9×3.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	40
Dist. factor	33 %
Position	L68.9 P20.1 F15.1
Orientation	S > T-2.3 > C-1.3
Phase enc. dir.	A >> P
Rotation	-7.10 deg
Phase oversampling	0 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	3000 ms
TE	18 ms
Averages	5
Concatenations	3
Filter	Distortion Corr.(2D), Normalize, Elliptical filter, Image Filter
Coil elements	FL;HEP;NE1,2;SP1

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	220 ms
Freeze suppressed tissue	Off
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Triple
Reference scan mode	Self-calibration

Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	On
Intensity	Medium
Cut off	20
Width	4
Unfiltered images	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	110 mm
Position	R70.6 P22.8 F170.7
Orientation	T > S-18.1 > C4.9
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	15 mm
Inline Composing	Off

System

Body	Off
FL	On
NE2	On
NE1	On
HEP	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal

Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Read
Allowed delay	30 s
Echo spacing	8.9 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	6
RF pulse type	Low SAR
Gradient mode	Normal

\\USER\Neurography_JHH_Verio\Brachial Plexus\Routine\T1 Ax Bilateral

TA: 5:48 PAT: 2 Voxel size: 0.7×0.7×3.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	30
Dist. factor	33 %
Position	L6.0 P40.7 F34.5
Orientation	T > C12.4 > S0.2
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	330 mm
FoV phase	93.8 %
Slice thickness	3.0 mm
TR	819 ms
TE	10 ms
Averages	4
Concatenations	3
Filter	Distortion Corr.(2D), Image Filter, B1 filter
Coil elements	FL;HEP;NE1,2;SP1,2

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	155 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	448
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Dual
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel F/H
Gap	11 mm
Thickness	50 mm
Set-n-Go Protocol	Off
Table position	F
Table position	35 mm
Inline Composing	Off

System

Body	Off
FL	On
NE2	On
NE1	On
HEP	On
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off

Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Slice
Allowed delay	0 s
Echo spacing	10.3 ms
Define	Turbo factor
Turbo factor	6
Echo trains per slice	35
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Brachial Plexus\Routine\ep2d_dti_12 direction_p2

TA: 4:42 PAT: 2 Voxel size: 2.7×2.7×5.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_diff

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	30
Dist. factor	0 %
Position	R81.1 P56.7 H83.9
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	260 mm
FoV phase	81.6 %
Slice thickness	5.0 mm
TR	5300 ms
TE	70 ms
Averages	2
Concatenations	1
Filter	Raw filter
Coil elements	BO2;SP6

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	98
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	84 mm
Inline Composing	Off

System

Body	Off
BO1	Off
BO2	On
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	R97.5 P56.7 H83.9
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	144 mm
! A >> P	151 mm
! F >> H	119 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Diff

Diffusion mode	MDDW
Diff. weightings	3
b-value 1	0 s/mm²
b-value 2	500 s/mm²
b-value 3	700 s/mm²
Diff. weighted images	On
Trace weighted images	On
Average ADC maps	On
Individual ADC maps	Off
FA maps	On
Mosaic	On
Tensor	On
Noise level	40
Diff. directions	12

Sequence

Introduction	On

Bandwidth	2126 Hz/Px
Free echo spacing	Off
Echo spacing	0.56 ms
EPI factor	80
RF pulse type	Normal
Gradient mode	Fast

SIEMENS MAGNETOM Verio syngo MR B17

\\USER\Neurography_JHH_Verio\Brachial Plexus\With Contrast\Scout

TA: 0:35 PAT: Off Voxel size: 2.2×1.8×6.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	5
Dist. factor	50 %
Position	R16.7 P2.9 H0.0
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Slice group 2	
Slices	5
Dist. factor	50 %
Position	R10.9 P4.4 H0.0
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 3	
Slices	5
Dist. factor	150 %
Position	R0.2 P18.0 F39.5
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	38 %
FoV read	450 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	7.8 ms
TE	3.69 ms
Averages	1
Concatenations	15
Filter	Distortion Corr.(2D)
Coil elements	FL;HEP;NE1,2;SP1,2

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	20 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	80 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	0 mm
Inline Composing	Off

System

Body	Off
FL	On
NE2	On
NE1	On
HEP	On
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None

Segments	1
Tagging	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

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

\\USER\Neurography_JHH_Verio\Brachial Plexus\With Contrast\T2 spc Sag (position like a c-spine)

TA: 5:23 PAT: 2 Voxel size: 1.0×1.0×1.0 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Position	L4.3 P37.2 F35.1
Orientation	S > C-0.7 > T-0.1
Phase enc. dir.	H >> F
Rotation	83.40 deg
Phase oversampling	80 %
Slice oversampling	10.0 %
Slices per slab	80
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	1000 ms
TE	208 ms
Averages	1.4
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	HEP;NE1,2;SP1,2

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Allowed
Slice partial Fourier	7/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

Geometry

Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	35 mm
Inline Composing	Off

System

Body	Off
FL	Off
NE2	On
NE1	On
HEP	On
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off

Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	3D
Bandwidth	723 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	4.32 ms
Adiabatic-mode	On
Define	Echo trains
Turbo factor	81
Slice turbo factor	1
Echo trains per slice	3
Echo train duration	346
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	T2 var

\\USER\Neurography_JHH_Verio\Brachial Plexus\With Contrast\T2 spc Coro STIR Bilateral

TA: 5:47 PAT: 2 Voxel size: 0.9×0.8×1.0 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Position	L0.3 P24.5 H9.8
Orientation	C > T5.6 > S1.4
Phase enc. dir.	F >> H
Rotation	90.70 deg
Phase oversampling	80 %
Slice oversampling	25.0 %
Slices per slab	64
FoV read	270 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	1500 ms
TE	103 ms
Averages	1.7
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	FL;NE1,2;SP1,2

Contrast

MTC	Off
Magn. preparation	Non-sel. IR
TI	220 ms
Flip angle	95 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	320
Phase resolution	98 %
Slice resolution	85 %
Phase partial Fourier	Allowed
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

Geometry

Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	10 mm
Inline Composing	Off

System

Body	Off
FL	On
NE2	On
NE1	On
HEP	Off
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off

Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	3D
Bandwidth	539 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	4.24 ms
Adiabatic-mode	Off
Define	Echo trains
Turbo factor	147
Slice turbo factor	1
Echo trains per slice	2
Echo train duration	407
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	Constant

\\USER\Neurography_JHH_Verio\Brachial Plexus\With Contrast\STIR Sag Left

TA: 4:41 PAT: 2 Voxel size: 0.9×0.9×3.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	40
Dist. factor	33 %
Position	L68.9 P20.1 F15.1
Orientation	S > T-2.3 > C-1.3
Phase enc. dir.	A >> P
Rotation	-7.10 deg
Phase oversampling	0 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	3000 ms
TE	18 ms
Averages	5
Concatenations	3
Filter	Distortion Corr.(2D), Normalize, Elliptical filter, Image Filter
Coil elements	FL;HEP;NE1,2;SP1

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	220 ms
Freeze suppressed tissue	Off
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Triple
Reference scan mode	Self-calibration

Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	On
Intensity	Medium
Cut off	20
Width	4
Unfiltered images	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	110 mm
Position	R70.6 P22.8 F170.7
Orientation	T > S-18.1 > C4.9
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	15 mm
Inline Composing	Off

System

Body	Off
FL	On
NE2	On
NE1	On
HEP	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal

Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Read
Allowed delay	30 s
Echo spacing	8.9 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	6
RF pulse type	Low SAR
Gradient mode	Normal

\\USER\Neurography_JHH_Verio\Brachial Plexus\With Contrast\STIR Sag Right

TA: 4:41 PAT: 2 Voxel size: 0.9×0.9×3.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	40
Dist. factor	33 %
Position	L68.9 P20.1 F15.1
Orientation	S > T-2.3 > C-1.3
Phase enc. dir.	A >> P
Rotation	-7.10 deg
Phase oversampling	0 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	3000 ms
TE	18 ms
Averages	5
Concatenations	3
Filter	Distortion Corr.(2D), Normalize, Elliptical filter, Image Filter
Coil elements	FL;HEP;NE1,2;SP1

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	220 ms
Freeze suppressed tissue	Off
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Triple
Reference scan mode	Self-calibration

Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	On
Intensity	Medium
Cut off	20
Width	4
Unfiltered images	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	110 mm
Position	R70.6 P22.8 F170.7
Orientation	T > S-18.1 > C4.9
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	15 mm
Inline Composing	Off

System

Body	Off
FL	On
NE2	On
NE1	On
HEP	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal

Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Read
Allowed delay	30 s
Echo spacing	8.9 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	6
RF pulse type	Low SAR
Gradient mode	Normal

\\USER\Neurography_JHH_Verio\Brachial Plexus\With Contrast\T1 Ax Bilateral

TA: 5:48 PAT: 2 Voxel size: 0.7×0.7×3.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	30
Dist. factor	33 %
Position	L6.0 P40.7 F34.5
Orientation	T > C12.4 > S0.2
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	330 mm
FoV phase	93.8 %
Slice thickness	3.0 mm
TR	819 ms
TE	10 ms
Averages	4
Concatenations	3
Filter	Distortion Corr.(2D), Image Filter, B1 filter
Coil elements	FL;HEP;NE1,2;SP1,2

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	155 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	448
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Dual
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel F/H
Gap	11 mm
Thickness	50 mm
Set-n-Go Protocol	Off
Table position	F
Table position	35 mm
Inline Composing	Off

System

Body	Off
FL	On
NE2	On
NE1	On
HEP	On
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off

Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Slice
Allowed delay	0 s
Echo spacing	10.3 ms
Define	Turbo factor
Turbo factor	6
Echo trains per slice	35
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Brachial Plexus\With Contrast\ep2d_dti_12 direction_p2

TA: 4:42 PAT: 2 Voxel size: 2.7×2.7×5.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_diff

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	30
Dist. factor	0 %
Position	R81.1 P56.7 H83.9
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	260 mm
FoV phase	81.6 %
Slice thickness	5.0 mm
TR	5300 ms
TE	70 ms
Averages	2
Concatenations	1
Filter	Raw filter
Coil elements	BO2;SP6

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	98
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	84 mm
Inline Composing	Off

System

Body	Off
BO1	Off
BO2	On
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	R97.5 P56.7 H83.9
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	144 mm
! A >> P	151 mm
! F >> H	119 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Diff

Diffusion mode	MDDW
Diff. weightings	3
b-value 1	0 s/mm²
b-value 2	500 s/mm²
b-value 3	700 s/mm²
Diff. weighted images	On
Trace weighted images	On
Average ADC maps	On
Individual ADC maps	Off
FA maps	On
Mosaic	On
Tensor	On
Noise level	40
Diff. directions	12

Sequence

Introduction	On

Bandwidth	2126 Hz/Px
Free echo spacing	Off
Echo spacing	0.56 ms
EPI factor	80
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Brachial Plexus\With Contrast\Vibe Coro Pre Bilateral

TA: 2:18 PAT: 2 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 SIEMENS: fl3d_vibe

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	L51.5 P42.7 F68.8
Orientation	C > T8.7 > S1.4
Phase enc. dir.	R >> L
Rotation	0.20 deg
Phase oversampling	100 %
Slice oversampling	12.5 %
Slices per slab	128
FoV read	270 mm
FoV phase	100.0 %
Slice thickness	0.80 mm
TR	4.12 ms
TE	1.53 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), B1 filter
Coil elements	FL;NE1,2;SP1,2

Contrast

Flip angle	9.0 deg
Fat suppr.	Q-fat sat.
Lines Per Shot	115
Water suppr.	None
Dixon	No Dixon
Save original images	On
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	352
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	Off
POCS	Read & Phase

Geometry

Multi-slice mode	Sequential
Series	Ascending
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	69 mm
Inline Composing	Off

System

Body	Off
NE2	On
NE1	On
HEP	Off
FL	On
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L51.5 P42.7 F68.8
Orientation	C > T8.7 > S1.4
Rotation	0.20 deg
F >> H	270 mm
R >> L	270 mm
A >> P	103 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Inline

3D centric reordering	Off
Time to center	44.1 s

Subtract	On
Liver registration	Off
Autoscaling	Off
Scaling factor	1
Offset	0
Subtrahend	1
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Centric
Asymmetric echo	Weak
Bandwidth	510 Hz/Px
Optimization	Min. TE
Allowed delay	30 s
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Brachial Plexus\With Contrast\Vibe Coro Post Bilateral

TA: 2:18 PAT: 2 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 SIEMENS: fl3d_vibe

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	L51.5 P42.7 F68.8
Orientation	C > T8.7 > S1.4
Phase enc. dir.	R >> L
Rotation	0.20 deg
Phase oversampling	100 %
Slice oversampling	12.5 %
Slices per slab	128
FoV read	270 mm
FoV phase	100.0 %
Slice thickness	0.80 mm
TR	4.12 ms
TE	1.53 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), B1 filter
Coil elements	FL;NE1,2;SP1,2

Contrast

Flip angle	9.0 deg
Fat suppr.	Q-fat sat.
Lines Per Shot	115
Water suppr.	None
Dixon	No Dixon
Save original images	On
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	352
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	Off
POCS	Read & Phase

Geometry

Multi-slice mode	Sequential
Series	Ascending
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	69 mm
Inline Composing	Off

System

Body	Off
NE2	On
NE1	On
HEP	Off
FL	On
SP4	Off
SP2	On
SP8	Off
SP6	Off
SP3	Off
SP1	On
SP7	Off
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L51.5 P42.7 F68.8
Orientation	C > T8.7 > S1.4
Rotation	0.20 deg
F >> H	270 mm
R >> L	270 mm
A >> P	103 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Inline

3D centric reordering	Off
Time to center	44.1 s

Subtract	On
Liver registration	Off
Autoscaling	Off
Scaling factor	1
Offset	0
Subtrahend	1
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Centric
Asymmetric echo	Weak
Bandwidth	510 Hz/Px
Optimization	Min. TE
Allowed delay	30 s
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\Routine\Scout LT or RT

TA: 0:12 PAT: Off Voxel size: 1.2×1.2×10.0 mm Rel. SNR: 1.00 SIEMENS: trufi

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	5
Dist. factor	50 %
Position	L58.9 P4.5 F44.9
Orientation	C > T-20.8
Phase enc. dir.	R >> L
Rotation	-7.70 deg
Slice group 2	
Slices	5
Dist. factor	50 %
Position	L59.3 A3.6 F37.1
Orientation	S > T11.4 > C1.4
Phase enc. dir.	A >> P
Rotation	-16.50 deg
Slice group 3	
Slices	1
Dist. factor	20 %
Position	L64.6 A15.4 F28.9
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	300 mm
FoV phase	100.0 %
Slice thickness	10.0 mm
TR	4 ms
TE	2 ms
Averages	1
Filter	None
Coil elements	FA

Contrast

TD	0 ms
Magn. preparation	None
Flip angle	45 deg
Fat suppr.	None
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Set-n-Go Protocol	Off
Table position	F
Table position	37 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L58.9 A3.6 F37.1
Orientation	Sagittal
Rotation	0.00 deg
F >> H	380 mm
A >> P	376 mm
R >> L	338 mm

Physio

1st Signal/Mode	None
Segments	1
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off

MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	Off
Dimension	2D
Reordering	Linear
Asymmetric echo	Off
Bandwidth	849 Hz/Px
Flow comp.	No
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\Routine\localizer_sag+cor+tra LT or RT

TA: 0:20 PAT: Off Voxel size: 1.4×1.1×6.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	3
Dist. factor	50 %
Position	R45.4 A33.3 H0.0
Orientation	S > T3.3 > C0.4
Phase enc. dir.	A >> P
Rotation	7.41 deg
Slice group 2	
Slices	3
Dist. factor	50 %
Position	R46.0 A4.5 F26.0
Orientation	C > T7.4 > S-2.0
Phase enc. dir.	R >> L
Rotation	-3.30 deg
Slice group 3	
Slices	3
Dist. factor	50 %
Position	R48.4 A22.7 F24.4
Orientation	T > C-7.4 > S1.8
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	38 %
FoV read	280 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	7.3 ms
TE	3.60 ms
Averages	1
Concatenations	9
Filter	Elliptical filter
Coil elements	FA

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	20 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	80 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	8 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	R0.7 A2.2 F8.0
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	350 mm
! A >> P	263 mm
! F >> H	350 mm

Physio

1st Signal/Mode	None
Segments	1
Tagging	None
Dark blood	Off

Resp. control	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Bandwidth	330 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\Routine\PD Sag SPAIR fs LT or RT

TA: 3:08 PAT: 2 Voxel size: 0.5×0.5×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	45
Dist. factor	0 %
Position	R47.6 P3.5 F41.4
Orientation	S > C3.2 > T-1.6
Phase enc. dir.	A >> P
Rotation	1.10 deg
Phase oversampling	40 %
FoV read	130 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	3890 ms
TE	32 ms
Averages	2
Concatenations	2
Filter	Prescan Normalize, Elliptical filter, Image Filter
Coil elements	FA

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	123 deg
Fat suppr.	SPAIR
Fat sat. mode	Strong
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	41 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	Med >> Lat
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R47.6 P3.5 F41.4
Orientation	S > C3.2 > T-1.6
Rotation	1.10 deg
F >> H	130 mm
A >> P	130 mm
R >> L	90 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off

Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	199 Hz/Px
Flow comp.	Read
Allowed delay	30 s
Echo spacing	10.5 ms
Define	Turbo factor
Turbo factor	17
Echo trains per slice	11
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\Routine\T2 Ax SPAIR fs LT or RT

TA: 4:56 PAT: 2 Voxel size: 0.5×0.5×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	50
Dist. factor	0 %
Position	R42.8 P0.6 F46.4
Orientation	T > C2.0
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	100 %
FoV read	100 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	7000 ms
TE	82 ms
Averages	1
Concatenations	3
Filter	Prescan Normalize, Image Filter
Coil elements	FA

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	SPAIR
Fat sat. mode	Weak
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	192
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	47
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Integrated
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	On
Distortion Corr.	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel F/H
Gap	12 mm
Thickness	50 mm
Set-n-Go Protocol	Off
Table position	F
Table position	46 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R42.8 P0.6 F46.4
Orientation	T > C2.0
Rotation	90.00 deg
A >> P	100 mm
R >> L	100 mm
F >> H	100 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off

Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	357 Hz/Px
Flow comp.	Slice
Allowed delay	30 s
Echo spacing	11.7 ms
Define	Turbo factor
Turbo factor	18
Echo trains per slice	12
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\Routine\T1 Ax LT or RT

TA: 4:19 PAT: 2 Voxel size: 0.4×0.4×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	50
Dist. factor	0 %
Position	R42.8 P0.6 F46.4
Orientation	T > C2.0
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	100 %
FoV read	100 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	700 ms
TE	13 ms
Averages	1
Concatenations	8
Filter	Elliptical filter, Image Filter, B1 filter
Coil elements	FA

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	27
Matrix Coil Mode	Triple
Reference scan mode	Integrated
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel F/H
Gap	12 mm
Thickness	50 mm
Set-n-Go Protocol	Off
Table position	F
Table position	46 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off

Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	199 Hz/Px
Flow comp.	Slice
Allowed delay	30 s
Echo spacing	12.5 ms
Define	Turbo factor
Turbo factor	6
Echo trains per slice	45
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\Routine\T2 Obl Coro SPAIR

TA: 6:02 PAT: 2 Voxel size: 0.4×0.4×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	44
Dist. factor	0 %
Position	L69.0 P0.4 F58.4
Orientation	T > C-43.6 > S2.8
Phase enc. dir.	R >> L
Rotation	85.50 deg
Phase oversampling	20 %
FoV read	100 mm
FoV phase	84.4 %
Slice thickness	2.0 mm
TR	6000 ms
TE	82 ms
Averages	3
Concatenations	3
Filter	Prescan Normalize, Elliptical filter, Image Filter
Coil elements	FA

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	SPAIR
Fat sat. mode	Weak
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel H
Gap	10 mm
Thickness	60 mm
Set-n-Go Protocol	Off
Table position	F
Table position	58 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L69.0 P0.4 F58.4
Orientation	T > C-43.6 > S2.8
Rotation	85.50 deg
A >> P	100 mm
R >> L	85 mm
F >> H	88 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off

Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Slice
Allowed delay	60 s
Echo spacing	11.7 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	6
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\Routine\T1 Obl Coro no fs

TA: 2:26 PAT: Off Voxel size: 0.4×0.4×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	44
Dist. factor	0 %
Position	L69.0 P0.4 F58.4
Orientation	T > C-43.6 > S2.8
Phase enc. dir.	R >> L
Rotation	85.50 deg
Phase oversampling	20 %
FoV read	100 mm
FoV phase	84.4 %
Slice thickness	2.0 mm
TR	800 ms
TE	11 ms
Averages	1
Concatenations	4
Filter	Normalize, Elliptical filter, Image Filter
Coil elements	FA

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	On
Intensity	Medium
Cut off	20
Width	4
Unfiltered images	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel H
Gap	10 mm
Thickness	60 mm
Set-n-Go Protocol	Off
Table position	F
Table position	58 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L69.0 P0.4 F58.4
Orientation	T > C-43.6 > S2.8
Rotation	85.50 deg
A >> P	100 mm
R >> L	85 mm
F >> H	88 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off

Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	Off
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	No
Allowed delay	60 s
Echo spacing	11.4 ms
Define	Turbo factor
Turbo factor	6
Echo trains per slice	44
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\Routine\psif_fs_90b

TA: 4:28 PAT: Off Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 SIEMENS: psif

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	R40.7 A34.0 F88.7
Orientation	C > T-28.4 > S-1.5
Phase enc. dir.	R >> L
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	30.0 %
Slices per slab	160
FoV read	100 mm
FoV phase	100.0 %
Slice thickness	0.80 mm
TR	10.00 ms
TE	2.47 ms
Averages	1
Filter	None
Coil elements	FA

Contrast

Flip angle	35 deg
Fat suppr.	Water excit. normal
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	128
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Set-n-Go Protocol	Off
Table position	F
Table position	89 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R40.7 A34.0 F88.7
Orientation	C > T-28.4 > S-1.5
Rotation	0.00 deg
F >> H	100 mm
R >> L	100 mm
A >> P	128 mm

Diff

Diffusion mode	Slice
Diff.moment mT/m*ms	90

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Bandwidth	439 Hz/Px
Flow comp.	Slice
Optimization	Min. TE
Segments	1
RF pulse type	Fast
Gradient mode	Fast*
Excitation	Slab-sel.

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\With Contrast\Scout LT or RT

TA: 0:12 PAT: Off Voxel size: 1.2×1.2×10.0 mm Rel. SNR: 1.00 SIEMENS: trufi

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	5
Dist. factor	50 %
Position	L58.9 P4.5 F44.9
Orientation	C > T-20.8
Phase enc. dir.	R >> L
Rotation	-7.70 deg
Slice group 2	
Slices	5
Dist. factor	50 %
Position	L59.3 A3.6 F37.1
Orientation	S > T11.4 > C1.4
Phase enc. dir.	A >> P
Rotation	-16.50 deg
Slice group 3	
Slices	1
Dist. factor	20 %
Position	L64.6 A15.4 F28.9
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	300 mm
FoV phase	100.0 %
Slice thickness	10.0 mm
TR	4 ms
TE	2 ms
Averages	1
Filter	None
Coil elements	FA

Contrast

TD	0 ms
Magn. preparation	None
Flip angle	45 deg
Fat suppr.	None
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Set-n-Go Protocol	Off
Table position	F
Table position	37 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L58.9 A3.6 F37.1
Orientation	Sagittal
Rotation	0.00 deg
F >> H	380 mm
A >> P	376 mm
R >> L	338 mm

Physio

1st Signal/Mode	None
Segments	1
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off

MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	Off
Dimension	2D
Reordering	Linear
Asymmetric echo	Off
Bandwidth	849 Hz/Px
Flow comp.	No
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\With Contrast\localizer_sag+cor+tra LT or RT

TA: 0:20 PAT: Off Voxel size: 1.4×1.1×6.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	3
Dist. factor	50 %
Position	R45.4 A33.3 H0.0
Orientation	S > T3.3 > C0.4
Phase enc. dir.	A >> P
Rotation	7.41 deg
Slice group 2	
Slices	3
Dist. factor	50 %
Position	R46.0 A4.5 F26.0
Orientation	C > T7.4 > S-2.0
Phase enc. dir.	R >> L
Rotation	-3.30 deg
Slice group 3	
Slices	3
Dist. factor	50 %
Position	R48.4 A22.7 F24.4
Orientation	T > C-7.4 > S1.8
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	38 %
FoV read	280 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	7.3 ms
TE	3.60 ms
Averages	1
Concatenations	9
Filter	Elliptical filter
Coil elements	FA

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	20 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	80 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	8 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	R0.7 A2.2 F8.0
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	350 mm
! A >> P	263 mm
! F >> H	350 mm

Physio

1st Signal/Mode	None
Segments	1
Tagging	None
Dark blood	Off

Resp. control	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Bandwidth	330 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\With Contrast\PD Sag SPAIR fs LT or RT

TA: 3:08 PAT: 2 Voxel size: 0.5×0.5×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	45
Dist. factor	0 %
Position	R47.6 P3.5 F41.4
Orientation	S > C3.2 > T-1.6
Phase enc. dir.	A >> P
Rotation	1.10 deg
Phase oversampling	40 %
FoV read	130 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	3890 ms
TE	32 ms
Averages	2
Concatenations	2
Filter	Prescan Normalize, Elliptical filter, Image Filter
Coil elements	FA

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	123 deg
Fat suppr.	SPAIR
Fat sat. mode	Strong
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	41 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	Med >> Lat
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R47.6 P3.5 F41.4
Orientation	S > C3.2 > T-1.6
Rotation	1.10 deg
F >> H	130 mm
A >> P	130 mm
R >> L	90 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off

Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	199 Hz/Px
Flow comp.	Read
Allowed delay	30 s
Echo spacing	10.5 ms
Define	Turbo factor
Turbo factor	17
Echo trains per slice	11
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\With Contrast\T2 Ax SPAIR fs LT or RT

TA: 4:56 PAT: 2 Voxel size: 0.5×0.5×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	50
Dist. factor	0 %
Position	R42.8 P0.6 F46.4
Orientation	T > C2.0
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	100 %
FoV read	100 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	7000 ms
TE	82 ms
Averages	1
Concatenations	3
Filter	Prescan Normalize, Image Filter
Coil elements	FA

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	SPAIR
Fat sat. mode	Weak
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	192
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	47
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Integrated
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	On
Distortion Corr.	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel F/H
Gap	12 mm
Thickness	50 mm
Set-n-Go Protocol	Off
Table position	F
Table position	46 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R42.8 P0.6 F46.4
Orientation	T > C2.0
Rotation	90.00 deg
A >> P	100 mm
R >> L	100 mm
F >> H	100 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off

Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	357 Hz/Px
Flow comp.	Slice
Allowed delay	30 s
Echo spacing	11.7 ms
Define	Turbo factor
Turbo factor	18
Echo trains per slice	12
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\With Contrast\T1 Ax LT or RT

TA: 4:19 PAT: 2 Voxel size: 0.4×0.4×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	50
Dist. factor	0 %
Position	R42.8 P0.6 F46.4
Orientation	T > C2.0
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	100 %
FoV read	100 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	700 ms
TE	13 ms
Averages	1
Concatenations	8
Filter	Elliptical filter, Image Filter, B1 filter
Coil elements	FA

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	27
Matrix Coil Mode	Triple
Reference scan mode	Integrated
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel F/H
Gap	12 mm
Thickness	50 mm
Set-n-Go Protocol	Off
Table position	F
Table position	46 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off

Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	199 Hz/Px
Flow comp.	Slice
Allowed delay	30 s
Echo spacing	12.5 ms
Define	Turbo factor
Turbo factor	6
Echo trains per slice	45
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\With Contrast\T2 Obl Coro SPAIR

TA: 6:02 PAT: 2 Voxel size: 0.4×0.4×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	44
Dist. factor	0 %
Position	L69.0 P0.4 F58.4
Orientation	T > C-43.6 > S2.8
Phase enc. dir.	R >> L
Rotation	85.50 deg
Phase oversampling	20 %
FoV read	100 mm
FoV phase	84.4 %
Slice thickness	2.0 mm
TR	6000 ms
TE	82 ms
Averages	3
Concatenations	3
Filter	Prescan Normalize, Elliptical filter, Image Filter
Coil elements	FA

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	SPAIR
Fat sat. mode	Weak
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel H
Gap	10 mm
Thickness	60 mm
Set-n-Go Protocol	Off
Table position	F
Table position	58 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L69.0 P0.4 F58.4
Orientation	T > C-43.6 > S2.8
Rotation	85.50 deg
A >> P	100 mm
R >> L	85 mm
F >> H	88 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off

Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Slice
Allowed delay	60 s
Echo spacing	11.7 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	6
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\With Contrast\T1 Obl Coro no fs

TA: 2:26 PAT: Off Voxel size: 0.4×0.4×2.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	44
Dist. factor	0 %
Position	L69.0 P0.4 F58.4
Orientation	T > C-43.6 > S2.8
Phase enc. dir.	R >> L
Rotation	85.50 deg
Phase oversampling	20 %
FoV read	100 mm
FoV phase	84.4 %
Slice thickness	2.0 mm
TR	800 ms
TE	11 ms
Averages	1
Concatenations	4
Filter	Normalize, Elliptical filter, Image Filter
Coil elements	FA

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	On
Intensity	Medium
Cut off	20
Width	4
Unfiltered images	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	Parallel H
Gap	10 mm
Thickness	60 mm
Set-n-Go Protocol	Off
Table position	F
Table position	58 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L69.0 P0.4 F58.4
Orientation	T > C-43.6 > S2.8
Rotation	85.50 deg
A >> P	100 mm
R >> L	85 mm
F >> H	88 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off

Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	Off
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	No
Allowed delay	60 s
Echo spacing	11.4 ms
Define	Turbo factor
Turbo factor	6
Echo trains per slice	44
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\With Contrast\psif_fs_90b

TA: 4:28 PAT: Off Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 SIEMENS: psif

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	R40.7 A34.0 F88.7
Orientation	C > T-28.4 > S-1.5
Phase enc. dir.	R >> L
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	30.0 %
Slices per slab	160
FoV read	100 mm
FoV phase	100.0 %
Slice thickness	0.80 mm
TR	10.00 ms
TE	2.47 ms
Averages	1
Filter	None
Coil elements	FA

Contrast

Flip angle	35 deg
Fat suppr.	Water excit. normal
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	128
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Set-n-Go Protocol	Off
Table position	F
Table position	89 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R40.7 A34.0 F88.7
Orientation	C > T-28.4 > S-1.5
Rotation	0.00 deg
F >> H	100 mm
R >> L	100 mm
A >> P	128 mm

Diff

Diffusion mode	Slice
Diff.moment mT/m*ms	90

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Bandwidth	439 Hz/Px
Flow comp.	Slice
Optimization	Min. TE
Segments	1
RF pulse type	Fast
Gradient mode	Fast*
Excitation	Slab-sel.

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\With Contrast\VIBE PRE SAG

TA: 4:43 PAT: 2 Voxel size: 0.6×0.6×0.6 mm Rel. SNR: 1.00 SIEMENS: fl3d_vibe

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	L61.8 A13.1 F59.1
Orientation	S > C-6.2 > T1.1
Phase enc. dir.	A >> P
Rotation	-0.70 deg
Phase oversampling	100 %
Slice oversampling	0.0 %
Slices per slab	144
FoV read	130 mm
FoV phase	100.0 %
Slice thickness	0.60 mm
TR	10.4 ms
TE	4.9 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	FA

Contrast

Flip angle	10.0 deg
Fat suppr.	Water excit. normal
Water suppr.	None
Dixon	No Dixon
Save original images	On
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	224
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	On
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
POCS	Off

Geometry

Multi-slice mode	Sequential
Series	Ascending
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	59 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	REF
MSMA	S - C - T
Sagittal	Med >> Lat
Coronal	P >> A
Transversal	H >> F
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L61.8 A13.1 F59.1
Orientation	S > C-6.2 > T1.1
Rotation	-0.70 deg
F >> H	130 mm
A >> P	130 mm
R >> L	87 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Inline

3D centric reordering	Off
Time to center	142.1 s
Subtract	On
Liver registration	Off
Autoscaling	Off
Scaling factor	1
Offset	0
Subtrahend	1

Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	On
Asymmetric echo	Off
Bandwidth	270 Hz/Px
Optimization	In phase
Allowed delay	30 s
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Tarsal Tunnel\With Contrast\VIBE POST SAG

TA: 4:43 PAT: 2 Voxel size: 0.6×0.6×0.6 mm Rel. SNR: 1.00 SIEMENS: fl3d_vibe

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	L61.8 A13.1 F59.1
Orientation	S > C-6.2 > T1.1
Phase enc. dir.	A >> P
Rotation	-0.70 deg
Phase oversampling	100 %
Slice oversampling	0.0 %
Slices per slab	144
FoV read	130 mm
FoV phase	100.0 %
Slice thickness	0.60 mm
TR	10.4 ms
TE	4.9 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	FA

Contrast

Flip angle	10.0 deg
Fat suppr.	Water excit. normal
Water suppr.	None
Dixon	No Dixon
Save original images	On
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	224
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	On
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
POCS	Off

Geometry

Multi-slice mode	Sequential
Series	Ascending
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	59 mm
Inline Composing	Off

System

Body	Off
FA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	Med >> Lat
Coronal	P >> A
Transversal	H >> F
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L61.8 A13.1 F59.1
Orientation	S > C-6.2 > T1.1
Rotation	-0.70 deg
F >> H	130 mm
A >> P	130 mm
R >> L	87 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Inline

3D centric reordering	Off
Time to center	142.1 s
Subtract	On
Liver registration	Off
Autoscaling	Off
Scaling factor	1
Offset	0
Subtrahend	1

Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	On
Asymmetric echo	Off
Bandwidth	270 Hz/Px
Optimization	In phase
Allowed delay	30 s
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\SCOUT

TA: 0:35 PAT: Off Voxel size: 1.9×1.5×6.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	5
Dist. factor	50 %
Position	R18.9 P2.9 F2.2
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Slice group 2	
Slices	5
Dist. factor	50 %
Position	R13.1 P4.4 F2.2
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 3	
Slices	5
Dist. factor	150 %
Position	R16.5 P4.6 F2.3
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	38 %
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	7.8 ms
TE	3.69 ms
Averages	1
Concatenations	15
Filter	Distortion Corr.(2D)
Coil elements	BO1,2;SP5-8

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	20 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	80 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	2 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	On
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Segments	1

Tagging	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

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

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\STIR Sag Left

TA: 4:36 PAT: 2 Voxel size: 1.0×1.0×4.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	27
Dist. factor	25 %
Position	R43.7 P18.5 H47.3
Orientation	S > C0.6 > T-0.3
Phase enc. dir.	A >> P
Rotation	0.10 deg
Phase oversampling	30 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4160 ms
TE	17.0 ms
Averages	4
Concatenations	2
Filter	Distortion Corr.(2D), Normalize, Elliptical filter, Image Filter
Coil elements	BO1,2;SP5-8

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	220 ms
Freeze suppressed tissue	Off
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Triple
Reference scan mode	Self-calibration

Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	On
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	47 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	On
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Read
Allowed delay	30 s
Echo spacing	8.74 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	8
RF pulse type	Low SAR
Gradient mode	Normal

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\STIR Sag Right

TA: 4:36 PAT: 2 Voxel size: 1.0×1.0×4.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	27
Dist. factor	25 %
Position	R43.7 P18.5 H47.3
Orientation	S > C0.6 > T-0.3
Phase enc. dir.	A >> P
Rotation	0.10 deg
Phase oversampling	30 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4160 ms
TE	17.0 ms
Averages	4
Concatenations	2
Filter	Distortion Corr.(2D), Normalize, Elliptical filter, Image Filter
Coil elements	BO1,2;SP5-8

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	220 ms
Freeze suppressed tissue	Off
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Triple
Reference scan mode	Self-calibration

Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	On
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	47 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	On
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Read
Allowed delay	30 s
Echo spacing	8.74 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	8
RF pulse type	Low SAR
Gradient mode	Normal

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\T1 Sag L-SPINE

TA: 3:20 PAT: 2 Voxel size: 0.8×0.8×3.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	23
Dist. factor	0 %
Position	R3.2 P31.2 H5.0
Orientation	S > T-3.6 > C0.8
Phase enc. dir.	H >> F
Rotation	90.00 deg
Phase oversampling	100 %
FoV read	270 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	515 ms
TE	12 ms
Averages	3
Concatenations	2
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;SP3-5

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	120 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Self-calibration
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	5 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	On
SP2	Off
SP8	Off
SP6	Off
SP3	On
SP1	Off
SP7	Off
SP5	On
BO1	Off
BO2	Off
Positioning mode	ISO
MSMA	T - C - S
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off

Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	Off
Contrasts	1
Bandwidth	446 Hz/Px
Flow comp.	No
Allowed delay	60 s
Echo spacing	11.6 ms
Define	Turbo factor
Turbo factor	5
Echo trains per slice	64
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\T2 spc Sag (L-Spine)

TA: 9:20 PAT: 2 Voxel size: 1.1×1.1×1.2 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Position	L13.7 P22.5 H99.4
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	50 %
Slice oversampling	33.3 %
Slices per slab	72
FoV read	280 mm
FoV phase	79.7 %
Slice thickness	1.20 mm
TR	1390 ms
TE	99 ms
Averages	1.4
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1,2;SP5-8

Contrast

MTC	Off
Magn. preparation	None
Flip angle	130 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Allowed
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

Geometry

Sat. region 1	
Thickness	50 mm
Position	L3.2 A99.3 F3.4
Orientation	C > T-2.9
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	99 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	On
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off

Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	3D
Bandwidth	723 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	3.54 ms
Adiabatic-mode	Off
Define	Echo trains
Turbo factor	55
Slice turbo factor	1
Echo trains per slice	3
Echo train duration	188
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	Constant

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\COR SPAIR SPC Bilateral

TA: 7:26 PAT: 2 Voxel size: 1.1×1.1×1.2 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Position	R35.3 P26.3 H42.3
Orientation	Coronal
Phase enc. dir.	F >> H
Rotation	89.90 deg
Phase oversampling	80 %
Slice oversampling	8.3 %
Slices per slab	192
FoV read	360 mm
FoV phase	92.5 %
Slice thickness	1.20 mm
TR	2000 ms
TE	200 ms
Averages	1.4
Concatenations	1
Filter	Distortion Corr.(2D), Elliptical filter
Coil elements	BO1,2;SP5-7

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	SPAIR
Fat sat. mode	Strong
Water suppr.	None
Restore magn.	Off
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	320
Phase resolution	100 %
Slice resolution	95 %
Phase partial Fourier	Allowed
Slice partial Fourier	4/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	42 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R35.3 P26.3 H42.3
Orientation	Coronal
Rotation	89.90 deg
R >> L	360 mm
F >> H	333 mm
A >> P	231 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off

MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	3D
Bandwidth	710 Hz/Px
Flow comp.	No
Allowed delay	60 s
Echo spacing	3.24 ms
Adiabatic-mode	Off
Define	Echo trains
Turbo factor	93
Slice turbo factor	2
Echo trains per slice	3
Echo train duration	486
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	T2 var

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\T1 Ax BILATERAL

TA: 2:26 PAT: 2 Voxel size: 0.5×0.5×4.0 mm Rel. SNR: 1.00 SIEMENS: tse 1/2

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	25 %
Position	L9.8 P26.4 H32.5
Orientation	T > S0.3
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	350 mm
FoV phase	78.1 %
Slice thickness	4.0 mm
TR	800 ms
TE	10 ms
Averages	1
Concatenations	4
Filter	Distortion Corr.(2D), Image Filter, B1 filter
Coil elements	BO1,2;SP6,7

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	155 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	640
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	27
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	56 mm
Position	L0.0 A94.2 F7.6
Orientation	C > T-4.6
Special sat.	Parallel F/H
Gap	10 mm
Thickness	50 mm
Set-n-Go Protocol	On
Table position	H
Table position	32 mm
Inline Composing	On
Composing Function	Spine

System

Body	Off
BO1	On
BO2	On
BO1	Off
BO2	Off
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off

Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	355 Hz/Px
Flow comp.	Slice
Allowed delay	0 s
Echo spacing	10.2 ms
Define	Turbo factor
Turbo factor	6
Echo trains per slice	44
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\T1 Ax BILATERAL

TA: 2:26 PAT: 2 Voxel size: 0.5×0.5×4.0 mm Rel. SNR: 1.00 SIEMENS: tse 2/2

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	25 %
Position	L10.7 P26.4 F142.5
Orientation	T > S0.3
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	350 mm
FoV phase	78.1 %
Slice thickness	4.0 mm
TR	800 ms
TE	10 ms
Averages	1
Concatenations	4
Filter	Distortion Corr.(2D), Image Filter, B1 filter
Coil elements	BO1;BO1,2;SP4,5

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	155 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	640
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	27
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	50 mm
Position	L0.0 A91.6 F5.1
Orientation	C > T-3.2
Special sat.	Parallel F/H
Gap	10 mm
Thickness	50 mm
Set-n-Go Protocol	On
Table position	F
Table position	143 mm
Inline Composing	On
Composing Function	Spine

System

Body	Off
BO1	On
BO2	Off
BO1	On
BO2	On
SP4	On
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off

Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	355 Hz/Px
Flow comp.	Slice
Allowed delay	0 s
Echo spacing	10.2 ms
Define	Turbo factor
Turbo factor	6
Echo trains per slice	44
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\T2 SPAIR Ax BILATERAL

TA: 4:41 PAT: 2 Voxel size: 0.5×0.5×4.0 mm Rel. SNR: 1.00 SIEMENS: tse 1/2

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	25 %
Position	L9.8 P26.4 H32.5
Orientation	T > S0.3
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	350 mm
FoV phase	78.1 %
Slice thickness	4.0 mm
TR	4500 ms
TE	64 ms
Averages	2
Concatenations	2
Filter	Distortion Corr.(2D), Elliptical filter, Image Filter, B1 filter
Coil elements	BO1,2;SP6,7

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	SPAIR
Fat sat. mode	Strong
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	640
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Dual
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	56 mm
Position	L0.0 A94.2 F7.6
Orientation	C > T-4.6
Special sat.	Parallel F/H
Gap	10 mm
Thickness	50 mm
Set-n-Go Protocol	On
Table position	H
Table position	32 mm
Inline Composing	On
Composing Function	Spine

System

Body	Off
BO1	On
BO2	On
BO1	Off
BO2	Off
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L9.8 P26.4 H32.5
Orientation	T > S0.3
Rotation	0.00 deg
R >> L	350 mm
A >> P	274 mm
F >> H	174 mm

Physio

1st Signal/Mode	None

Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	300 Hz/Px
Flow comp.	Slice
Allowed delay	20 s
Echo spacing	10.7 ms
Define	Turbo factor
Turbo factor	17
Echo trains per slice	15
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\T2 SPAIR Ax BILATERAL

TA: 4:41 PAT: 2 Voxel size: 0.5×0.5×4.0 mm Rel. SNR: 1.00 SIEMENS: tse 2/2

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	25 %
Position	L10.7 P26.4 F142.5
Orientation	T > S0.3
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	350 mm
FoV phase	78.1 %
Slice thickness	4.0 mm
TR	4500 ms
TE	64 ms
Averages	2
Concatenations	2
Filter	Distortion Corr.(2D), Elliptical filter, Image Filter, B1 filter
Coil elements	BO1;BO1,2;SP4,5

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	SPAIR
Fat sat. mode	Strong
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	640
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Dual
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	50 mm
Position	L0.0 A91.6 F5.1
Orientation	C > T-3.2
Special sat.	Parallel F/H
Gap	10 mm
Thickness	50 mm
Set-n-Go Protocol	On
Table position	F
Table position	143 mm
Inline Composing	On
Composing Function	Spine

System

Body	Off
BO1	On
BO2	Off
BO1	On
BO2	On
SP4	On
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L10.7 P26.4 F142.5
Orientation	T > S0.3
Rotation	0.00 deg
R >> L	350 mm
A >> P	274 mm
F >> H	174 mm

Physio

1st Signal/Mode	None

Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	300 Hz/Px
Flow comp.	Slice
Allowed delay	20 s
Echo spacing	10.7 ms
Define	Turbo factor
Turbo factor	17
Echo trains per slice	15
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\DTI 20 direction b600 upper

TA: 4:52 PAT: 2 Voxel size: 2.0×2.0×5.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_diff

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	30
Dist. factor	0 %
Position	R34.5 P15.8 H96.8
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	10 %
FoV read	255 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	4400 ms
TE	78 ms
Averages	3
Concatenations	1
Filter	Raw filter
Coil elements	BO1,2;SP5-8

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	On
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	97 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	On
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R34.5 P15.8 H96.8
Orientation	Transversal
Rotation	0.00 deg
R >> L	255 mm
A >> P	255 mm
F >> H	150 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Diff

Diffusion mode	MDDW
Diff. weightings	2
b-value 1	0 s/mm²
b-value 2	600 s/mm²
Diff. weighted images	On
Trace weighted images	On
Average ADC maps	On
Individual ADC maps	Off
FA maps	On
Mosaic	On
Tensor	On
Noise level	40
Diff. directions	20

Sequence

Introduction	On
Bandwidth	1698 Hz/Px

Free echo spacing	Off
Echo spacing	0.69 ms
EPI factor	128
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\Routine\DTI 20 direction b600 lower

TA: 4:52 PAT: 2 Voxel size: 2.0×2.0×5.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_diff

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	30
Dist. factor	0 %
Position	L12.7 P41.8 F11.6
Orientation	T > S-2.5
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	255 mm
FoV phase	84.4 %
Slice thickness	5.0 mm
TR	4400 ms
TE	78 ms
Averages	3
Concatenations	1
Filter	Raw filter
Coil elements	BO1,2;SP6,7

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	On
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	12 mm
Inline Composing	Off

System

Body	Off
SP4	Off
SP2	Off
SP8	Off
SP6	On
BO1	On
BO2	On
SP3	Off
SP1	Off
SP7	On
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L10.7 P43.3 F11.0
! Orientation	T > S-2.5
! Rotation	0.00 deg
! R >> L	254 mm
! A >> P	206 mm
! F >> H	150 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Diff

Diffusion mode	MDDW
Diff. weightings	2
b-value 1	0 s/mm²
b-value 2	600 s/mm²
Diff. weighted images	On
Trace weighted images	On
Average ADC maps	On
Individual ADC maps	Off
FA maps	On
Mosaic	On
Tensor	On
Noise level	40
Diff. directions	20

Sequence

Introduction	On
Bandwidth	1698 Hz/Px

Free echo spacing	Off
Echo spacing	0.69 ms
EPI factor	108
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\Scout

TA: 0:35 PAT: Off Voxel size: 1.9×1.5×6.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	5
Dist. factor	50 %
Position	R18.9 P2.9 F2.2
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Slice group 2	
Slices	5
Dist. factor	50 %
Position	R13.1 P4.4 F2.2
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 3	
Slices	5
Dist. factor	150 %
Position	R16.5 P4.6 F2.3
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	38 %
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	7.8 ms
TE	3.69 ms
Averages	1
Concatenations	15
Filter	Distortion Corr.(2D)
Coil elements	BO1,2;SP5-8

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	20 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	80 %
Phase partial Fourier	Off
Interpolation	On
PAT mode	None
Matrix Coil Mode	Auto (CP)
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	2 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	On
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Segments	1

Tagging	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

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

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\STIR Sag Left

TA: 4:36 PAT: 2 Voxel size: 1.0×1.0×4.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	27
Dist. factor	25 %
Position	R43.7 P18.5 H47.3
Orientation	S > C0.6 > T-0.3
Phase enc. dir.	A >> P
Rotation	0.10 deg
Phase oversampling	30 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4160 ms
TE	17.0 ms
Averages	4
Concatenations	2
Filter	Distortion Corr.(2D), Normalize, Elliptical filter, Image Filter
Coil elements	BO1,2;SP5-8

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	220 ms
Freeze suppressed tissue	Off
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Triple
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	On
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	47 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	On
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Read
Allowed delay	30 s
Echo spacing	8.74 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	8
RF pulse type	Low SAR
Gradient mode	Normal

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\STIR Sag Right

TA: 4:36 PAT: 2 Voxel size: 1.0×1.0×4.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	27
Dist. factor	25 %
Position	R43.7 P18.5 H47.3
Orientation	S > C0.6 > T-0.3
Phase enc. dir.	A >> P
Rotation	0.10 deg
Phase oversampling	30 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4160 ms
TE	17.0 ms
Averages	4
Concatenations	2
Filter	Distortion Corr.(2D), Normalize, Elliptical filter, Image Filter
Coil elements	BO1,2;SP5-8

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	220 ms
Freeze suppressed tissue	Off
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Triple
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	On
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	47 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	On
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	349 Hz/Px
Flow comp.	Read
Allowed delay	30 s
Echo spacing	8.74 ms
Define	Turbo factor
Turbo factor	22
Echo trains per slice	8
RF pulse type	Low SAR
Gradient mode	Normal

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\T1 Sag L-SPINE

TA: 3:20 PAT: 2 Voxel size: 0.8×0.8×3.0 mm Rel. SNR: 1.00 SIEMENS: tse

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	23
Dist. factor	0 %
Position	R3.2 P31.2 H5.0
Orientation	S > T-3.6 > C0.8
Phase enc. dir.	H >> F
Rotation	90.00 deg
Phase oversampling	100 %
FoV read	270 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	515 ms
TE	12 ms
Averages	3
Concatenations	2
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;SP3-5

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	120 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Self-calibration
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	5 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	On
SP2	Off
SP8	Off
SP6	Off
SP3	On
SP1	Off
SP7	Off
SP5	On
BO1	Off
BO2	Off
Positioning mode	ISO
MSMA	T - C - S
Sagittal	L >> R
Coronal	P >> A
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off

Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	Off
Contrasts	1
Bandwidth	446 Hz/Px
Flow comp.	No
Allowed delay	60 s
Echo spacing	11.6 ms
Define	Turbo factor
Turbo factor	5
Echo trains per slice	64
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\T2 spc Sag (L-Spine)

TA: 9:20 PAT: 2 Voxel size: 1.1×1.1×1.2 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Position	L13.7 P22.5 H99.4
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	50 %
Slice oversampling	33.3 %
Slices per slab	72
FoV read	280 mm
FoV phase	79.7 %
Slice thickness	1.20 mm
TR	1390 ms
TE	99 ms
Averages	1.4
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1,2;SP5-8

Contrast

MTC	Off
Magn. preparation	None
Flip angle	130 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Allowed
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

Geometry

Sat. region 1	
Thickness	50 mm
Position	L3.2 A99.3 F3.4
Orientation	C > T-2.9
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	99 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	On
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off

Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	3D
Bandwidth	723 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	3.54 ms
Adiabatic-mode	Off
Define	Echo trains
Turbo factor	55
Slice turbo factor	1
Echo trains per slice	3
Echo train duration	188
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	Constant

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\COR SPAIR SPC Bilateral

TA: 7:26 PAT: 2 Voxel size: 1.1×1.1×1.2 mm Rel. SNR: 1.00 SIEMENS: tse_vfl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Position	R35.3 P26.3 H42.3
Orientation	Coronal
Phase enc. dir.	F >> H
Rotation	89.90 deg
Phase oversampling	80 %
Slice oversampling	8.3 %
Slices per slab	192
FoV read	360 mm
FoV phase	92.5 %
Slice thickness	1.20 mm
TR	2000 ms
TE	200 ms
Averages	1.4
Concatenations	1
Filter	Distortion Corr.(2D), Elliptical filter
Coil elements	BO1,2;SP5-7

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	SPAIR
Fat sat. mode	Strong
Water suppr.	None
Restore magn.	Off
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	320
Phase resolution	100 %
Slice resolution	95 %
Phase partial Fourier	Allowed
Slice partial Fourier	4/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	42 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R35.3 P26.3 H42.3
Orientation	Coronal
Rotation	89.90 deg
R >> L	360 mm
F >> H	333 mm
A >> P	231 mm

Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off

MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	3D
Bandwidth	710 Hz/Px
Flow comp.	No
Allowed delay	60 s
Echo spacing	3.24 ms
Adiabatic-mode	Off
Define	Echo trains
Turbo factor	93
Slice turbo factor	2
Echo trains per slice	3
Echo train duration	486
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
Flip angle mode	T2 var

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\T1 Ax BILATERAL

TA: 2:26 PAT: 2 Voxel size: 0.5×0.5×4.0 mm Rel. SNR: 1.00 SIEMENS: tse 1/2

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	25 %
Position	L9.8 P26.4 H32.5
Orientation	T > S0.3
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	350 mm
FoV phase	78.1 %
Slice thickness	4.0 mm
TR	800 ms
TE	10 ms
Averages	1
Concatenations	4
Filter	Distortion Corr.(2D), Image Filter, B1 filter
Coil elements	BO1,2;SP6,7

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	155 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	640
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	27
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	56 mm
Position	L0.0 A94.2 F7.6
Orientation	C > T-4.6
Special sat.	Parallel F/H
Gap	10 mm
Thickness	50 mm
Set-n-Go Protocol	On
Table position	H
Table position	32 mm
Inline Composing	On
Composing Function	Spine

System

Body	Off
BO1	On
BO2	On
BO1	Off
BO2	Off
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off

Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	355 Hz/Px
Flow comp.	Slice
Allowed delay	0 s
Echo spacing	10.2 ms
Define	Turbo factor
Turbo factor	6
Echo trains per slice	44
RF pulse type	Low SAR
Gradient mode	Fast

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TA: 2:26 PAT: 2 Voxel size: 0.5×0.5×4.0 mm Rel. SNR: 1.00 SIEMENS: tse 2/2

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	25 %
Position	L10.7 P26.4 F142.5
Orientation	T > S0.3
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	350 mm
FoV phase	78.1 %
Slice thickness	4.0 mm
TR	800 ms
TE	10 ms
Averages	1
Concatenations	4
Filter	Distortion Corr.(2D), Image Filter, B1 filter
Coil elements	BO1;BO1,2;SP4,5

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	155 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	640
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	27
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	50 mm
Position	L0.0 A91.6 F5.1
Orientation	C > T-3.2
Special sat.	Parallel F/H
Gap	10 mm
Thickness	50 mm
Set-n-Go Protocol	On
Table position	F
Table position	143 mm
Inline Composing	On
Composing Function	Spine

System

Body	Off
BO1	On
BO2	Off
BO1	On
BO2	On
SP4	On
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Dark blood	Off

Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	355 Hz/Px
Flow comp.	Slice
Allowed delay	0 s
Echo spacing	10.2 ms
Define	Turbo factor
Turbo factor	6
Echo trains per slice	44
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\T2 SPAIR Ax BILATERAL

TA: 4:41 PAT: 2 Voxel size: 0.5×0.5×4.0 mm Rel. SNR: 1.00 SIEMENS: tse 1/2

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	25 %
Position	L9.8 P26.4 H32.5
Orientation	T > S0.3
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	350 mm
FoV phase	78.1 %
Slice thickness	4.0 mm
TR	4500 ms
TE	64 ms
Averages	2
Concatenations	2
Filter	Distortion Corr.(2D), Elliptical filter, Image Filter, B1 filter
Coil elements	BO1,2;SP6,7

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	SPAIR
Fat sat. mode	Strong
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	640
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Dual
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	56 mm
Position	L0.0 A94.2 F7.6
Orientation	C > T-4.6
Special sat.	Parallel F/H
Gap	10 mm
Thickness	50 mm
Set-n-Go Protocol	On
Table position	H
Table position	32 mm
Inline Composing	On
Composing Function	Spine

System

Body	Off
BO1	On
BO2	On
BO1	Off
BO2	Off
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L9.8 P26.4 H32.5
Orientation	T > S0.3
Rotation	0.00 deg
R >> L	350 mm
A >> P	274 mm
F >> H	174 mm

Physio

1st Signal/Mode	None

Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	300 Hz/Px
Flow comp.	Slice
Allowed delay	20 s
Echo spacing	10.7 ms
Define	Turbo factor
Turbo factor	17
Echo trains per slice	15
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\T2 SPAIR Ax BILATERAL

TA: 4:41 PAT: 2 Voxel size: 0.5×0.5×4.0 mm Rel. SNR: 1.00 SIEMENS: tse 2/2

Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Start measurements	single

Routine

Slice group 1	
Slices	35
Dist. factor	25 %
Position	L10.7 P26.4 F142.5
Orientation	T > S0.3
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	350 mm
FoV phase	78.1 %
Slice thickness	4.0 mm
TR	4500 ms
TE	64 ms
Averages	2
Concatenations	2
Filter	Distortion Corr.(2D), Elliptical filter, Image Filter, B1 filter
Coil elements	BO1;BO1,2;SP4,5

Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	SPAIR
Fat sat. mode	Strong
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	640
Phase resolution	100 %
Phase partial Fourier	Allowed
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Matrix Coil Mode	Dual
Reference scan mode	Self-calibration
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Sat. region 1	
Thickness	50 mm
Position	L0.0 A91.6 F5.1
Orientation	C > T-3.2
Special sat.	Parallel F/H
Gap	10 mm
Thickness	50 mm
Set-n-Go Protocol	On
Table position	F
Table position	143 mm
Inline Composing	On
Composing Function	Spine

System

Body	Off
BO1	On
BO2	Off
BO1	On
BO2	On
SP4	On
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L10.7 P26.4 F142.5
Orientation	T > S0.3
Rotation	0.00 deg
R >> L	350 mm
A >> P	274 mm
F >> H	174 mm

Physio

1st Signal/Mode	None

Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	300 Hz/Px
Flow comp.	Slice
Allowed delay	20 s
Echo spacing	10.7 ms
Define	Turbo factor
Turbo factor	17
Echo trains per slice	15
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\DTI 20 direction b600 upper

TA: 4:52 PAT: 2 Voxel size: 2.0×2.0×5.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_diff

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	30
Dist. factor	0 %
Position	R34.5 P15.8 H96.8
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	10 %
FoV read	255 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	4400 ms
TE	78 ms
Averages	3
Concatenations	1
Filter	Raw filter
Coil elements	BO1,2;SP5-8

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	On
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	97 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	On
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R34.5 P15.8 H96.8
Orientation	Transversal
Rotation	0.00 deg
R >> L	255 mm
A >> P	255 mm
F >> H	150 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Diff

Diffusion mode	MDDW
Diff. weightings	2
b-value 1	0 s/mm²
b-value 2	600 s/mm²
Diff. weighted images	On
Trace weighted images	On
Average ADC maps	On
Individual ADC maps	Off
FA maps	On
Mosaic	On
Tensor	On
Noise level	40
Diff. directions	20

Sequence

Introduction	On
Bandwidth	1698 Hz/Px

Free echo spacing	Off
Echo spacing	0.69 ms
EPI factor	128
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\DTI 20 direction b600 lower

TA: 4:52 PAT: 2 Voxel size: 2.0×2.0×5.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_diff

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slice group 1	
Slices	30
Dist. factor	0 %
Position	L12.7 P41.8 F11.6
Orientation	T > S-2.5
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	255 mm
FoV phase	84.4 %
Slice thickness	5.0 mm
TR	4400 ms
TE	78 ms
Averages	3
Concatenations	1
Filter	Raw filter
Coil elements	BO1,2;SP6,7

Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	On
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Set-n-Go Protocol	Off
Table position	F
Table position	12 mm
Inline Composing	Off

System

Body	Off
SP4	Off
SP2	Off
SP8	Off
SP6	On
BO1	On
BO2	On
SP3	Off
SP1	Off
SP7	On
SP5	Off
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L10.7 P43.3 F11.0
! Orientation	T > S-2.5
! Rotation	0.00 deg
! R >> L	254 mm
! A >> P	206 mm
! F >> H	150 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Diff

Diffusion mode	MDDW
Diff. weightings	2
b-value 1	0 s/mm²
b-value 2	600 s/mm²
Diff. weighted images	On
Trace weighted images	On
Average ADC maps	On
Individual ADC maps	Off
FA maps	On
Mosaic	On
Tensor	On
Noise level	40
Diff. directions	20

Sequence

Introduction	On
Bandwidth	1698 Hz/Px

Free echo spacing	Off
Echo spacing	0.69 ms
EPI factor	108
RF pulse type	Normal
Gradient mode	Fast

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\T1vibe Coro Pre

TA: 4:02 PAT: 2 Voxel size: 1.0×1.0×1.0 mm Rel. SNR: 1.00 SIEMENS: fl3d_vibe

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	L16.3 P20.4 H51.6
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	-0.10 deg
Phase oversampling	20 %
Slice oversampling	14.3 %
Slices per slab	224
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	5.92 ms
TE	2.33 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Elliptical filter, Image Filter, B1 filter
Coil elements	BO1,2;SP5-7

Contrast

Flip angle	9.0 deg
Fat suppr.	Water excit. fast
Water suppr.	None
Dixon	No Dixon
Save original images	On
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	384
Phase resolution	100 %
Slice resolution	66 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane
POCS	Off

Geometry

Multi-slice mode	Sequential
Series	Ascending
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	52 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L16.3 P20.4 H51.6
Orientation	Coronal
Rotation	-0.10 deg
F >> H	380 mm
R >> L	380 mm
A >> P	224 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Inline

3D centric reordering	Off
Time to center	121.6 s
Subtract	On
Liver registration	Off
Autoscaling	Off
Scaling factor	1
Offset	0
Subtrahend	1
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Bandwidth	500 Hz/Px
Optimization	Min. TE
Allowed delay	60 s
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On

\\USER\Neurography_JHH_Verio\Sacral Plexus\With Contrast\T1vibe Coro Post

TA: 4:02 PAT: 2 Voxel size: 1.0×1.0×1.0 mm Rel. SNR: 1.00 SIEMENS: fl3d_vibe

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	20 %
Position	L16.3 P20.4 H51.6
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	-0.10 deg
Phase oversampling	20 %
Slice oversampling	14.3 %
Slices per slab	224
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	5.92 ms
TE	2.33 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Elliptical filter, Image Filter, B1 filter
Coil elements	BO1,2;SP5-7

Contrast

Flip angle	9.0 deg
Fat suppr.	Water excit. fast
Water suppr.	None
Dixon	No Dixon
Save original images	On
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	384
Phase resolution	100 %
Slice resolution	66 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Dual
Reference scan mode	Integrated
Image Filter	On
Intensity	Medium
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Intensity	Medium
Unfiltered images	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane
POCS	Off

Geometry

Multi-slice mode	Sequential
Series	Ascending
Special sat.	None
Set-n-Go Protocol	Off
Table position	H
Table position	52 mm
Inline Composing	Off

System

Body	Off
BO1	On
BO2	On
SP4	Off
SP2	Off
SP8	Off
SP6	On
SP3	Off
SP1	Off
SP7	On
SP5	On
Positioning mode	ISO
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L16.3 P20.4 H51.6
Orientation	Coronal
Rotation	-0.10 deg
F >> H	380 mm
R >> L	380 mm
A >> P	224 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Inline

3D centric reordering	Off
Time to center	121.6 s
Subtract	On
Liver registration	Off
Autoscaling	Off
Scaling factor	1
Offset	0
Subtrahend	1
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Bandwidth	500 Hz/Px
Optimization	Min. TE
Allowed delay	60 s
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On

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