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\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\localizer_Laura

TA: 0:18 PM: REF Voxel size: 0.5×0.5×5.0 mmPAT: Off Rel. SNR: 1.00 : qfl

Properties

Prio recon	On
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	3
Dist. factor	50 %
Position	L0.0 A14.6 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	3
Dist. factor	50 %
Position	L0.0 A44.7 H0.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	3
Slices	3
Dist. factor	50 %
Position	R11.0 A7.5 H0.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	25 %
FoV read	280 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	7.7 ms
TE	3.67 ms
Averages	1
Concatenations	9
Filter	Distortion Corr.(2D), Elliptical filter
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	7.7 ms
TE	3.67 ms
TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	20 deg
Fat suppr.	None
Water suppr.	None
SWI	Off

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1

Contrast - Dynamic

Multiple series	Each measurement

Resolution - Common

FoV read	280 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	75 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	On

Geometry - Common

Slice group	1
Slices	3
Dist. factor	50 %
Position	L0.0 A14.6 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	3
Dist. factor	50 %
Position	L0.0 A44.7 H0.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	3
Slices	3
Dist. factor	50 %
Position	R11.0 A7.5 H0.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	280 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	7.7 ms
Multi-slice mode	Sequential
Series	Interleaved
Concatenations	9

Geometry - AutoAlign

Slice group	1
Position	L0.0 A14.6 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2

Geometry - AutoAlign

Position	L0.0 A44.7 H0.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	3
Position	R11.0 A7.5 H0.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 A14.6 H0.0
L	0.0 mm
A	14.6 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	None
Water suppr.	None
Special sat.	None

Geometry - Tim Planning Suite

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

Geometry - Tim CT

Tim CT mode	Off
Slices	3
Slice thickness	5.0 mm
Dist. factor	50 %
FoV read	280 mm
FoV phase	100.0 %
Segments	1

System - Miscellaneous

Positioning mode	REF
Table position	F
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 A29.8 F11.0 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	175 mm
! R >> L	201 mm

System - Adjust Volume

! F >> H	259 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	7.7 ms
Concatenations	9
Segments	1

Physio - Cardiac

Tagging	None
Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	280 mm
FoV phase	100.0 %
Phase resolution	75 %

Physio - PACE

Resp. control	Off
Concatenations	9

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Liver registration	Off
Save original images	On

Inline - MIP

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

Inline - Soft Tissue

Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
Measurements	1

Inline - Composing

Inline Composing	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	On

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	20 deg
Measurements	1
Contrasts	1
TR	7.7 ms
TE	3.67 ms

Sequence - Part 1

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Off
Contrasts	1
Flow comp.	No
Multi-slice mode	Sequential
Bandwidth	320 Hz/Px

Sequence - Part 2

Segments	1
Acoustic noise reduction	Active
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\tfl_sag_2p5mmISO_largeFOV
TA: 1:10 PM: FIX Voxel size: 2.4×2.4×2.5 mmPAT: Off Rel. SNR: 1.00 : tfl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	28
Dist. factor	100 %
Position	L0.0 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	28
Dist. factor	100 %
Position	R2.5 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	340 mm
FoV phase	61.1 %
Slice thickness	2.5 mm
TR	34420.0 ms
TE	2.31 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	34420.0 ms
TE	2.31 ms
Magn. preparation	None
Flip angle	10 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	340 mm
FoV phase	61.1 %
Slice thickness	2.5 mm
Base resolution	144
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	28
Dist. factor	100 %
Position	L0.0 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	28
Dist. factor	100 %
Position	R2.5 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	340 mm
FoV phase	61.1 %
Slice thickness	2.5 mm
TR	34420.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	R2.5 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 A46.4 H0.0
L	0.0 mm
A	46.4 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.3 A46.4 H0.0 mm
Orientation	Sagittal
Rotation	0.00 deg
A >> P	208 mm
F >> H	340 mm
R >> L	140 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Save original images	On

Inline - MIP

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

Inline - Composing

Inline Composing	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	On

Sequence - Part 1

Introduction	Off

Sequence - Part 1

Dimension	2D
Asymmetric echo	Allowed
Flow comp.	No
Multi-slice mode	Interleaved
Echo spacing	5.1 ms
Bandwidth	400 Hz/Px

Sequence - Part 2

RF pulse type	Low SAR
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On
Turbo factor	88

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\tfl_sag_2p5mmISO_largeFOV_RefVolOpt

TA: 1:10 PM: FIX Voxel size: 2.4×2.4×2.5 mmPAT: Off Rel. SNR: 1.00 : tfl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	28
Dist. factor	100 %
Position	L0.0 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	28
Dist. factor	100 %
Position	R2.5 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	340 mm
FoV phase	61.1 %
Slice thickness	2.5 mm
TR	34420.0 ms
TE	2.31 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	34420.0 ms
TE	2.31 ms
Magn. preparation	None
Flip angle	10 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	340 mm
FoV phase	61.1 %
Slice thickness	2.5 mm
Base resolution	144
Phase resolution	100 %
Phase partial Fourier	Off

Resolution - Common

Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	28
Dist. factor	100 %
Position	L0.0 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	28
Dist. factor	100 %
Position	R2.5 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	340 mm
FoV phase	61.1 %
Slice thickness	2.5 mm
TR	34420.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	R2.5 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 A46.4 H0.0
L	0.0 mm
A	46.4 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off

Geometry - Tim Planning Suite

Table position	H
Table position	0 mm
Inline Composing	Off

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.3 A46.4 H0.0 mm
Orientation	Sagittal
Rotation	0.00 deg
A >> P	208 mm
F >> H	340 mm
R >> L	140 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Save original images	On

Inline - MIP

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

Inline - Composing

Inline Composing	Off
Distortion Corr.	On

Inline - Composing

Mode	3D
Unfiltered images	On

Sequence - Part 1

Introduction	Off
Dimension	2D
Asymmetric echo	Allowed
Flow comp.	No
Multi-slice mode	Interleaved
Echo spacing	5.1 ms
Bandwidth	400 Hz/Px

Sequence - Part 2

RF pulse type	Low SAR
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On
Turbo factor	88

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\DREAM2D_sag_2p5mmISO_large FOV

TA: 1:08 PM: FIX Voxel size: 4.1×4.1×2.5 mmPAT: Off Rel. SNR: 1.00 : 727f999

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	11
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
FoV read	384 mm
FoV phase	46.8 %
Slice thickness	2.5 mm
TR	6000 ms
TE 1	2.04 ms
TE 2	3.19 ms
Averages	1
Concatenations	11
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	6000 ms
TE 1	2.04 ms
TE 2	3.19 ms
Flip angle 1	25 deg
Flip angle 2	6 deg

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1

Resolution - Common

FoV read	384 mm
FoV phase	46.8 %
Slice thickness	2.5 mm
Base resolution	94
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off

Resolution - Filter Image

Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	11
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	384 mm
FoV phase	46.8 %
Slice thickness	2.5 mm
TR	6000 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	11

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A27.7 H3.7 mm
! Orientation	T > S0.1
! Rotation	0.00 deg
! A >> P	187 mm
! R >> L	33 mm
! F >> H	381 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Sequence - Part 1

Introduction	On
Dimension	2D
Asymmetric echo	Off
Contrasts	2
Multi-slice mode	Sequential
Bandwidth	920 Hz/Px

Sequence - Part 2

Echo train duration	215 ms
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
Turbo factor	44

Sequence - Special

Preparation scans	2
Preparation loops	0
Sample T1	2000 ms
RF-Duration	800 us
Prep RF-Duration	400 us
Time-BW-Product	3.2
Timing Scheme	STE*
Mixing Time	1150 us
Prep pTX Scheme	Disabled
FFT Scale	200
Calculate FlipMap	On
HDR DICOMs	Off
Scale risetime	1.20

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\DREAM2D_sag_2p5mmISO_mediumFOV

TA: 1:08 PM: FIX Voxel size: 2.5×2.5×2.5 mmPAT: Off Rel. SNR: 1.00 : 727f999

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	11
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
TR	6000 ms
TE 1	2.04 ms
TE 2	3.10 ms
Averages	1
Concatenations	11
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	6000 ms
TE 1	2.04 ms
TE 2	3.10 ms
Flip angle 1	25 deg
Flip angle 2	6 deg

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1

Resolution - Common

FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
Base resolution	80
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off

Resolution - Filter Image

Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	11
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
TR	6000 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	11

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A27.7 H3.7 mm
! Orientation	T > S0.1
! Rotation	0.00 deg
! A >> P	187 mm
! R >> L	33 mm
! F >> H	193 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Sequence - Part 1

Introduction	On
Dimension	2D
Asymmetric echo	Off
Contrasts	2
Multi-slice mode	Sequential
Bandwidth	1010 Hz/Px

Sequence - Part 2

Echo train duration	386 ms
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
Turbo factor	80

Sequence - Special

Preparation scans	2
Preparation loops	0
Sample T1	2000 ms
RF-Duration	800 us
Prep RF-Duration	400 us
Time-BW-Product	3.2
Timing Scheme	STE*
Mixing Time	1060 us
Prep pTX Scheme	Disabled
FFT Scale	200
Calculate FlipMap	On
HDR DICOMs	Off
Scale risetime	1.20

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\DREAM2D_sag_2p5mmISO_mediumFOV_RefVolOpt_0p66

TA: 1:08 PM: FIX Voxel size: 2.5×2.5×2.5 mmPAT: Off Rel. SNR: 1.00 : 727f999

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	11
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
TR	6000 ms
TE 1	2.04 ms
TE 2	3.10 ms
Averages	1
Concatenations	11
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	6000 ms
TE 1	2.04 ms
TE 2	3.10 ms
Flip angle 1	25 deg
Flip angle 2	6 deg

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1

Resolution - Common

FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
Base resolution	80
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off

Resolution - Filter Image

Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	11
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
TR	6000 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	11

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A27.7 H3.7 mm
! Orientation	T > S0.1
! Rotation	0.00 deg
! A >> P	187 mm
! R >> L	33 mm
! F >> H	193 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	297.600 V

Sequence - Part 1

Introduction	On
Dimension	2D
Asymmetric echo	Off
Contrasts	2
Multi-slice mode	Sequential
Bandwidth	1010 Hz/Px

Sequence - Part 2

Echo train duration	386 ms
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
Turbo factor	80

Sequence - Special

Preparation scans	2
Preparation loops	0
Sample T1	2000 ms
RF-Duration	800 us
Prep RF-Duration	400 us
Time-BW-Product	3.2
Timing Scheme	STE*
Mixing Time	1060 us
Prep pTX Scheme	Disabled
FFT Scale	200
Calculate FlipMap	On
HDR DICOMs	Off
Scale risetime	1.20

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\DREAM2D_sag_2p5mmISO_mediumFOV_RefHWLimit

TA: 1:08 PM: FIX Voxel size: 2.5×2.5×2.5 mmPAT: Off Rel. SNR: 1.00 : 727f999

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	11
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
TR	6000 ms
TE 1	2.04 ms
TE 2	3.10 ms
Averages	1
Concatenations	11
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	6000 ms
TE 1	2.04 ms
TE 2	3.10 ms
Flip angle 1	25 deg
Flip angle 2	6 deg

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1

Resolution - Common

FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
Base resolution	80
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off

Resolution - Filter Image

Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	11
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
TR	6000 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	11

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A27.7 H3.7 mm
! Orientation	T > S0.1
! Rotation	0.00 deg
! A >> P	187 mm
! R >> L	33 mm
! F >> H	193 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	600.000 V

Sequence - Part 1

Introduction	On
Dimension	2D
Asymmetric echo	Off
Contrasts	2
Multi-slice mode	Sequential
Bandwidth	1010 Hz/Px

Sequence - Part 2

Echo train duration	386 ms
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
Turbo factor	80

Sequence - Special

Preparation scans	2
Preparation loops	0
Sample T1	2000 ms
RF-Duration	800 us
Prep RF-Duration	400 us
Time-BW-Product	3.2
Timing Scheme	STE*
Mixing Time	1060 us
Prep pTX Scheme	Disabled
FFT Scale	200
Calculate FlipMap	On
HDR DICOMs	Off
Scale risetime	1.20

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\coilQA_sag_FH_1p5x1p5x2mm_LargeFOV

TA: 3:20 PM: FIX Voxel size: 1.5×1.5×2.0 mmRel. SNR: 1.00 : fl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	13
Dist. factor	20 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	0 %
FoV read	384 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	30.0 ms
TE	6.0 ms
Averages	2
Concatenations	13
Filter	None
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	30.0 ms
TE	6.0 ms
TD	0 ms
MTC	Off
Flip angle	12 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	2
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	384 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - Filter Image

Image Filter	Off

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	13
Dist. factor	20 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
FoV read	384 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	30.0 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	13

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	90.00 deg
Initial Orientation	Sagittal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Special sat.	None

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off

System - Miscellaneous

AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A15.8 F2.8 mm
! Orientation	T > C11.5 > S0.1
! Rotation	0.00 deg
! A >> P	43 mm
! R >> L	33 mm
! F >> H	246 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Physio - Signal1

1st Signal/Mode	None
TR	30.0 ms
Concatenations	13

Sequence - Part 1

Introduction	Off
Dimension	2D
Contrasts	1
Multi-slice mode	Sequential
Bandwidth	200 Hz/Px

Sequence - Part 2

Gradient mode	Fast
RF spoiling	On

Sequence - Special

ICE program	IceProgramCoilUtils
Prep. scans duration	0 ms
Optimal SNR	On
GFactor	On
Rx coil diode switching	On

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\coilQA_sag_FH_1p5x1p5x2mm_smallFOV

TA: 1:40 PM: FIX Voxel size: 1.5×1.5×2.0 mmRel. SNR: 1.00 : fl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	13
Dist. factor	20 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	30.0 ms
TE	6.0 ms
Averages	2
Concatenations	13
Filter	None
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	30.0 ms
TE	6.0 ms
TD	0 ms
MTC	Off
Flip angle	12 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	2
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
Base resolution	128
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - Filter Image

Image Filter	Off

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	13
Dist. factor	20 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	30.0 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	13

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	90.00 deg
Initial Orientation	Sagittal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Special sat.	None

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off

System - Miscellaneous

AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A15.8 F2.8 mm
! Orientation	T > C11.5 > S0.1
! Rotation	0.00 deg
! A >> P	43 mm
! R >> L	33 mm
! F >> H	246 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Physio - Signal1

1st Signal/Mode	None
TR	30.0 ms
Concatenations	13

Sequence - Part 1

Introduction	Off
Dimension	2D
Contrasts	1
Multi-slice mode	Sequential
Bandwidth	200 Hz/Px

Sequence - Part 2

Gradient mode	Fast
RF spoiling	On

Sequence - Special

ICE program	IceProgramCoilUtils
Prep. scans duration	0 ms
Optimal SNR	On
GFactor	On
Rx coil diode switching	On

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\coilQA_tra_RL_0p5x0p5x5mm

TA: 2:41 PM: FIX Voxel size: 0.5×0.5×5.0 mmRel. SNR: 1.00 : fl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	7
Dist. factor	300 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	30.0 ms
TE	6.0 ms
Averages	2
Concatenations	7
Filter	None
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	30.0 ms
TE	6.0 ms
TD	0 ms
MTC	Off
Flip angle	12 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	2
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	192 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
Base resolution	384
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off

Resolution - Filter Image

Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	7
Dist. factor	300 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	30.0 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	7

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	90.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Special sat.	None

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A15.8 F2.8 mm
! Orientation	T > C11.5 > S0.1
! Rotation	0.00 deg
! A >> P	43 mm
! R >> L	33 mm
! F >> H	246 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Physio - Signal1

1st Signal/Mode	None
TR	30.0 ms
Concatenations	7

Sequence - Part 1

Introduction	Off
Dimension	2D
Contrasts	1
Multi-slice mode	Sequential
Bandwidth	200 Hz/Px

Sequence - Part 2

Gradient mode	Fast
RF spoiling	On

Sequence - Special

ICE program	IceProgramCoilUtils
Prep. scans duration	0 ms
Optimal SNR	On
GFactor	On
Rx coil diode switching	On

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\gre_2mmISO_multichannel_uncomb

TA: 1:21 PM: FIX Voxel size: 2.0×2.0×2.0 mmPAT: Off Rel. SNR: 1.00 : fl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	44
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	384 mm
FoV phase	75.0 %
Slice thickness	2.0 mm
TR	550.0 ms
TE	3.80 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	550.0 ms
TE	3.80 ms
MTC	Off
Magn. preparation	None
Flip angle	30 deg
Fat suppr.	None
Water suppr.	None
SWI	Off

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	384 mm
FoV phase	75.0 %
Slice thickness	2.0 mm
Base resolution	192
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	44
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	384 mm
FoV phase	75.0 %
Slice thickness	2.0 mm
TR	550.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	None
Water suppr.	None
Special sat.	None

Geometry - Tim Planning Suite

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

Geometry - Tim CT

Tim CT mode	Off
Slices	44

Geometry - Tim CT

Slice thickness	2.0 mm
Dist. factor	0 %
FoV read	384 mm
FoV phase	75.0 %
Segments	1

System - Miscellaneous

Positioning mode	FIX
Table position	F
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	On
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Rotation	0.00 deg
A >> P	288 mm
F >> H	384 mm
R >> L	88 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Physio - Signal1

1st Signal/Mode	None
TR	550.0 ms
Concatenations	1
Segments	1

Physio - Cardiac

Tagging	None
Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	384 mm
FoV phase	75.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Liver registration	Off
Save original images	On

Inline - MIP

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

Inline - Soft Tissue

Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
Measurements	1

Inline - Composing

Inline Composing	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	On

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	30 deg
Measurements	1
Contrasts	1
TR	550.0 ms
TE	3.80 ms

Sequence - Part 1

Introduction	On
Dimension	2D
Phase stabilisation	On
Asymmetric echo	Off
Contrasts	1
Flow comp.	No
Multi-slice mode	Interleaved
Bandwidth	320 Hz/Px

Sequence - Part 2

Segments	1
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\gre_2mmISO_multichannel_uncomb

TA: 1:21 PM: FIX Voxel size: 2.0×2.0×2.0 mmPAT: Off Rel. SNR: 1.00 : fl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	44
Dist. factor	0 %
Position	L0.0 A54.6 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	384 mm
FoV phase	75.0 %
Slice thickness	2.0 mm
TR	550.0 ms
TE	3.80 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	550.0 ms
TE	3.80 ms
MTC	Off
Magn. preparation	None
Flip angle	30 deg
Fat suppr.	None
Water suppr.	None
SWI	Off

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	384 mm
FoV phase	75.0 %
Slice thickness	2.0 mm
Base resolution	192
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	44
Dist. factor	0 %
Position	L0.0 A54.6 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	384 mm
FoV phase	75.0 %
Slice thickness	2.0 mm
TR	550.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A54.6 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 A54.6 H0.0
L	0.0 mm
A	54.6 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	None
Water suppr.	None
Special sat.	None

Geometry - Tim Planning Suite

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

Geometry - Tim CT

Tim CT mode	Off
Slices	44

Geometry - Tim CT

Slice thickness	2.0 mm
Dist. factor	0 %
FoV read	384 mm
FoV phase	75.0 %
Segments	1

System - Miscellaneous

Positioning mode	FIX
Table position	F
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	On
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	Patient-specific
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L0.0 A54.6 H0.0 mm
Orientation	Sagittal
Rotation	0.00 deg
A >> P	288 mm
F >> H	384 mm
R >> L	88 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	Patient-specific
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	550.000 V

Physio - Signal1

1st Signal/Mode	None
TR	550.0 ms
Concatenations	1
Segments	1

Physio - Cardiac

Tagging	None
Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	384 mm
FoV phase	75.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Liver registration	Off
Save original images	On

Inline - MIP

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

Inline - Soft Tissue

Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
Measurements	1

Inline - Composing

Inline Composing	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	On

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	30 deg
Measurements	1
Contrasts	1
TR	550.0 ms
TE	3.80 ms

Sequence - Part 1

Introduction	On
Dimension	2D
Phase stabilisation	On
Asymmetric echo	Off
Contrasts	1
Flow comp.	No
Multi-slice mode	Interleaved
Bandwidth	320 Hz/Px

Sequence - Part 2

Segments	1
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\tfl_rfmap_2x2x3
TA: 1:04 PM: FIX Voxel size: 2.0×2.0×3.0 mmPAT: 2 Rel. SNR: 1.00 : tfl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	On
Start measurements	Single measurement

Routine

Slice group	1
Slices	28
Dist. factor	20 %
Position	R4.6 A27.7 F0.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	384 mm
FoV phase	61.2 %
Slice thickness	3.0 mm
TR	6970.0 ms
TE	1.79 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	6970.0 ms
TE	1.79 ms
Magn. preparation	None
Flip angle	10.0 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	384 mm
FoV phase	61.2 %
Slice thickness	3.0 mm
Base resolution	196
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	16

Resolution - iPAT

Reference scan mode	Integrated

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	28
Dist. factor	20 %
Position	R4.6 A27.7 F0.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	384 mm
FoV phase	61.2 %
Slice thickness	3.0 mm
TR	6970.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 F0.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R4.6 A27.7 F0.1
R	4.6 mm
A	27.7 mm
F	0.1 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Navigator

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares

System - Miscellaneous

Save uncombined	On
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R4.6 A27.7 F0.1 mm
Orientation	Sagittal
Rotation	0.00 deg
A >> P	236 mm
F >> H	384 mm
R >> L	101 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Physio - Signal1

1st Signal/Mode	None
TR	6970.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	384 mm
FoV phase	61.2 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	1

Sequence - Part 1

Introduction	Off
Dimension	2D
Reordering	Centric
Asymmetric echo	Allowed
Flow comp.	No
Multi-slice mode	Interleaved
Echo spacing	3.6 ms
Bandwidth	550 Hz/Px

Sequence - Part 2

RF pulse type	Normal

Sequence - Part 2

Gradient mode	Whisper
Excitation	Slice-sel.
RF spoiling	On
Incr. Gradient spoiling	Off
Turbo factor	120

Sequence - pTX Pulses

Sequence - Special

Tx scale diag mag	0.0
Tx scale diag phs	0 deg
Tx scale offdiag mag	1.0
Tx scale offdiag phs	0 deg
Rel. B1 mapping	On
Ref. scan	Off
Use B1 map recon	On
Dummy RF pulses	1000

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\t1_mp2rage_cor_nonSelHS1_0.7iso

TA: 8:47 PM: FIX Voxel size: 0.7×0.7×0.7 mmPAT: 2 Rel. SNR: 1.00 : tfl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Dist. factor	50 %
Position	R4.6 A27.7 H0.9 mm
Orientation	C > T-12.5
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	192
FoV read	260 mm
FoV phase	65.8 %
Slice thickness	0.70 mm
TR	5000.0 ms
TE	2.15 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	5000.0 ms
TE	2.15 ms
Magn. preparation	Non-sel. IR
TI 1	700 ms
TI 2	2400 ms
Flip angle 1	4.0 deg
Flip angle 2	5.0 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	260 mm
FoV phase	65.8 %
Slice thickness	0.70 mm
Base resolution	368
Phase resolution	100 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	28
Accel. factor 3D	1
Reference scan mode	Integrated

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Dist. factor	50 %
Position	R4.6 A27.7 H0.9 mm
Orientation	C > T-12.5
Phase enc. dir.	R >> L
Slice oversampling	0.0 %
Slices per slab	192
FoV read	260 mm
FoV phase	65.8 %
Slice thickness	0.70 mm
TR	5000.0 ms
Multi-slice mode	Single shot
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	C > T-12.5
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	0.00 deg
Initial Orientation	C > T
C > T	-12.5
> S	0.0

Geometry - Navigator

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A15.8 F2.8 mm
! Orientation	T > C11.5 > S0.1
! Rotation	0.00 deg
! A >> P	43 mm
! R >> L	33 mm
! F >> H	246 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Non-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	433.500 V

Physio - Signal1

1st Signal/Mode	None
TR	5000.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	Non-sel. IR
TI 1	700 ms
TI 2	2400 ms
Fat suppr.	None
Dark blood	Off
FoV read	260 mm
FoV phase	65.8 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Save original images	On

Inline - MIP

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

Inline - Composing

Inline Composing	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle 1	4.0 deg
Flip angle 2	5.0 deg
Measurements	1
TR	5000.0 ms
TE	2.15 ms

Sequence - Part 1

Introduction	On
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Allowed
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	6.4 ms
Bandwidth	220 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Normal*
Excitation	Non-sel.
RF spoiling	On
Incr. Gradient spoiling	Off
Turbo factor	192

Sequence - Special

Use Custom Inversion	On
Inv pulse type	HS1
HS pulse dur	10240 us
HS pulse offset	0 Hz
HS flip angle	360 deg
TR_FOCI B1	0.00 uT
Echo Spacing	6400 us
Denoise Weighting	100

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\coilQA_sag_FH_1p5x1p5x2mm_largeFOV

TA: 3:20 PM: FIX Voxel size: 1.5×1.5×2.0 mmRel. SNR: 1.00 : fl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	13
Dist. factor	20 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	0 %
FoV read	384 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	30.0 ms
TE	6.0 ms
Averages	2
Concatenations	13
Filter	None
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	30.0 ms
TE	6.0 ms
TD	0 ms
MTC	Off
Flip angle	12 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	2
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	384 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - Filter Image

Image Filter	Off

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	13
Dist. factor	20 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
FoV read	384 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	30.0 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	13

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	90.00 deg
Initial Orientation	Sagittal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Special sat.	None

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off

System - Miscellaneous

AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	Patient-specific
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A15.8 F2.8 mm
! Orientation	T > C11.5 > S0.1
! Rotation	0.00 deg
! A >> P	43 mm
! R >> L	33 mm
! F >> H	246 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	Patient-specific

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Physio - Signal1

1st Signal/Mode	None
TR	30.0 ms
Concatenations	13

Sequence - Part 1

Introduction	Off
Dimension	2D
Contrasts	1
Multi-slice mode	Sequential
Bandwidth	200 Hz/Px

Sequence - Part 2

Gradient mode	Fast
RF spoiling	On

Sequence - Special

ICE program	IceProgramCoilUtils
Prep. scans duration	0 ms
Optimal SNR	On
GFactor	On
Rx coil diode switching	On

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\DREAM2D_sag_2p5mmISO_large FOV_RFshim_CVred

TA: 1:08 PM: FIX Voxel size: 4.1×4.1×2.5 mmPAT: Off Rel. SNR: 1.00 : 727f999

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	11
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
FoV read	384 mm
FoV phase	46.8 %
Slice thickness	2.5 mm
TR	6000 ms
TE 1	2.04 ms
TE 2	3.19 ms
Averages	1
Concatenations	11
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	6000 ms
TE 1	2.04 ms
TE 2	3.19 ms
Flip angle 1	25 deg
Flip angle 2	6 deg

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1

Resolution - Common

FoV read	384 mm
FoV phase	46.8 %
Slice thickness	2.5 mm
Base resolution	94
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off

Resolution - Filter Image

Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	11
Dist. factor	0 %
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	384 mm
FoV phase	46.8 %
Slice thickness	2.5 mm
TR	6000 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	11

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	Patient-specific
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A27.7 H3.7 mm
! Orientation	T > S0.1
! Rotation	0.00 deg
! A >> P	187 mm
! R >> L	33 mm
! F >> H	381 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	Patient-specific
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Sequence - Part 1

Introduction	On
Dimension	2D
Asymmetric echo	Off
Contrasts	2
Multi-slice mode	Sequential
Bandwidth	920 Hz/Px

Sequence - Part 2

Echo train duration	215 ms
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
Turbo factor	44

Sequence - Special

Preparation scans	2
Preparation loops	0
Sample T1	2000 ms
RF-Duration	800 us
Prep RF-Duration	400 us
Time-BW-Product	3.2
Timing Scheme	STE*
Mixing Time	1150 us
Prep pTX Scheme	Disabled
FFT Scale	200
Calculate FlipMap	On
HDR DICOMs	Off
Scale risetime	1.20

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\tfl_rfmap_2x2x3_RFshim_CVred
TA: 1:04 PM: FIX Voxel size: 2.0×2.0×3.0 mmPAT: 2 Rel. SNR: 1.00 : tfl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	On
Start measurements	Single measurement

Routine

Slice group	1
Slices	28
Dist. factor	20 %
Position	R4.6 A27.7 F0.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	384 mm
FoV phase	61.2 %
Slice thickness	3.0 mm
TR	6970.0 ms
TE	1.79 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	6970.0 ms
TE	1.79 ms
Magn. preparation	None
Flip angle	10.0 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	384 mm
FoV phase	61.2 %
Slice thickness	3.0 mm
Base resolution	196
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	16

Resolution - iPAT

Reference scan mode	Integrated

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	28
Dist. factor	20 %
Position	R4.6 A27.7 F0.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	384 mm
FoV phase	61.2 %
Slice thickness	3.0 mm
TR	6970.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R4.6 A27.7 F0.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R4.6 A27.7 F0.1
R	4.6 mm
A	27.7 mm
F	0.1 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Navigator

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares

System - Miscellaneous

Save uncombined	On
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	Patient-specific
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R4.6 A27.7 F0.1 mm
Orientation	Sagittal
Rotation	0.00 deg
A >> P	236 mm
F >> H	384 mm
R >> L	101 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	Patient-specific
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	446.400 V

Physio - Signal1

1st Signal/Mode	None
TR	6970.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	384 mm
FoV phase	61.2 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	1

Sequence - Part 1

Introduction	Off
Dimension	2D
Reordering	Centric
Asymmetric echo	Allowed
Flow comp.	No
Multi-slice mode	Interleaved
Echo spacing	3.6 ms
Bandwidth	550 Hz/Px

Sequence - Part 2

RF pulse type	Normal

Sequence - Part 2

Gradient mode	Whisper
Excitation	Slice-sel.
RF spoiling	On
Incr. Gradient spoiling	Off
Turbo factor	120

Sequence - pTX Pulses

Sequence - Special

Tx scale diag mag	0.0
Tx scale diag phs	0 deg
Tx scale offdiag mag	1.0
Tx scale offdiag phs	0 deg
Rel. B1 mapping	On
Ref. scan	Off
Use B1 map recon	On
Dummy RF pulses	1000

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\t1_mp2rage_cor_nonSelHS1_0.7iso

TA: 8:47 PM: FIX Voxel size: 0.7×0.7×0.7 mmPAT: 2 Rel. SNR: 1.00 : tfl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Dist. factor	50 %
Position	R4.6 A27.7 H0.9 mm
Orientation	C > T-12.5
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	192
FoV read	260 mm
FoV phase	65.8 %
Slice thickness	0.70 mm
TR	5000.0 ms
TE	2.15 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	5000.0 ms
TE	2.15 ms
Magn. preparation	Non-sel. IR
TI 1	700 ms
TI 2	2400 ms
Flip angle 1	4.0 deg
Flip angle 2	5.0 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	260 mm
FoV phase	65.8 %
Slice thickness	0.70 mm
Base resolution	368
Phase resolution	100 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	28
Accel. factor 3D	1
Reference scan mode	Integrated

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Dist. factor	50 %
Position	R4.6 A27.7 H0.9 mm
Orientation	C > T-12.5
Phase enc. dir.	R >> L
Slice oversampling	0.0 %
Slices per slab	192
FoV read	260 mm
FoV phase	65.8 %
Slice thickness	0.70 mm
TR	5000.0 ms
Multi-slice mode	Single shot
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R4.6 A27.7 H0.9 mm
Orientation	C > T-12.5
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	R4.6 A27.7 H0.9
R	4.6 mm
A	27.7 mm
H	0.9 mm
Initial Rotation	0.00 deg
Initial Orientation	C > T
C > T	-12.5
> S	0.0

Geometry - Navigator

Geometry - Tim Planning Suite

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

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R4.6 A15.8 F2.8 mm
! Orientation	T > C11.5 > S0.1
! Rotation	0.00 deg
! A >> P	43 mm
! R >> L	33 mm
! F >> H	246 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Non-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	433.500 V

Physio - Signal1

1st Signal/Mode	None
TR	5000.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	Non-sel. IR
TI 1	700 ms
TI 2	2400 ms
Fat suppr.	None
Dark blood	Off
FoV read	260 mm
FoV phase	65.8 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Save original images	On

Inline - MIP

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

Inline - Composing

Inline Composing	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle 1	4.0 deg
Flip angle 2	5.0 deg
Measurements	1
TR	5000.0 ms
TE	2.15 ms

Sequence - Part 1

Introduction	On
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Allowed
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	6.4 ms
Bandwidth	220 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Normal*
Excitation	Non-sel.
RF spoiling	On
Incr. Gradient spoiling	Off
Turbo factor	192

Sequence - Special

Use Custom Inversion	On
Inv pulse type	HS1
HS pulse dur	10240 us
HS pulse offset	0 Hz
HS flip angle	360 deg
TR_FOCI B1	0.00 uT
Echo Spacing	6400 us
Denoise Weighting	100

Sequence - Assistant

Mode	Off

\\USER\Development\Dr. Cohen-Adad\acdc_7t_spine_073_CoilQA\tfl_sag_2p5mmISO_largeFOV_RefVol_OptC4C5

TA: 1:10 PM: FIX Voxel size: 2.4×2.4×2.5 mmPAT: Off Rel. SNR: 1.00 : tfl

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	28
Dist. factor	100 %
Position	L0.0 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	28
Dist. factor	100 %
Position	R2.5 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	340 mm
FoV phase	61.1 %
Slice thickness	2.5 mm
TR	34420.0 ms
TE	2.31 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D)
Coil elements	1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H;1H

Contrast - Common

TR	34420.0 ms
TE	2.31 ms
Magn. preparation	None
Flip angle	10 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	340 mm
FoV phase	61.1 %
Slice thickness	2.5 mm
Base resolution	144
Phase resolution	100 %
Phase partial Fourier	Off

Resolution - Common

Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	28
Dist. factor	100 %
Position	L0.0 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	28
Dist. factor	100 %
Position	R2.5 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	340 mm
FoV phase	61.1 %
Slice thickness	2.5 mm
TR	34420.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	R2.5 A46.4 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 A46.4 H0.0
L	0.0 mm
A	46.4 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off

Geometry - Tim Planning Suite

Table position	H
Table position	0 mm
Inline Composing	Off

System - Miscellaneous

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.3 A46.4 H0.0 mm
Orientation	Sagittal
Rotation	0.00 deg
A >> P	208 mm
F >> H	340 mm
R >> L	140 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	297.200694 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
! Ref. amplitude 1H	432.000 V

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Save original images	On

Inline - MIP

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

Inline - Composing

Inline Composing	Off
Distortion Corr.	On

Inline - Composing

Mode	3D
Unfiltered images	On

Sequence - Part 1

Introduction	Off
Dimension	2D
Asymmetric echo	Allowed
Flow comp.	No
Multi-slice mode	Interleaved
Echo spacing	5.1 ms
Bandwidth	400 Hz/Px

Sequence - Part 2

RF pulse type	Low SAR
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On
Turbo factor	88

Sequence - Assistant

Mode	Off