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\\USER FIL ROUTINE 800um_MPM_64ch localizer_64ch mfc_seste_b1map_v1e gre_field_mapping_1acq_rl mfc_smaps_v1a_Array mfc_smaps_v1a_Body t1w_mfc_3dflash_v1I_R4 mfc_smaps_v1a_Array mfc_smaps_v1a_Body pdw_mfc_3dflash_v1I_R4 mfc_smaps_v1a_Array mfc_smaps_v1a_Body mtw_mfc_3dflash_v1l_R4

\\USER\FIL\ROUTINE\800um_MPM_64ch\localizer_64ch

TA: 0:13 PM: REF Voxel size: 0.5×0.5×7.0 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

Noutine	
Slice group	1
Slices	1
Dist. factor	20 %
Position	L0.0 A20.0 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	1
Dist. factor	20 %
Position	L0.0 A24.1 H0.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3
Slices	1
Dist. factor	20 %
Position	L0.0 A24.1 H0.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	
Phase oversampling	0 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	7.0 mm
TR	8.6 ms
TE	4.00 ms
Averages	2
Concatenations	3
Filter	Elliptical filter
Coil elements	HC1-7

Contrast - Common

TR	8.6 ms
TE	4.00 ms
TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	20 deg
Fat suppr.	None
Water suppr.	None
SWI	Off

Contrast - Dynamic

Averages	2
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1

Contrast - Dynamic

Multiple series

Resolution - Common		
FoV read	250 mm	
FoV phase	100.0 %	
Slice thickness	7.0 mm	
Base resolution	256	
Phase resolution	90 %	
Phase partial Fourier	Off	
Interpolation	On	

Each measurement

Resolution - iPAT

П	PAT mode	None
1	r A i illoue	NONE

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	On

Geometry - Common

Slice group	1
Slices	1
Dist. factor	20 %
Position	L0.0 A20.0 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	1
Dist. factor	20 %
Position	L0.0 A24.1 H0.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3
Slices	1
Dist. factor	20 %
Position	L0.0 A24.1 H0.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	7.0 mm
TR	8.6 ms
Multi-slice mode	Sequential
Series	Interleaved
Concatenations	3
•	

Geometry - AutoAlign

Slice group	1
Position	L0.0 A20.0 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	L0.0 A24.1 H0.0 mm
Orientation	Transversal

Geometry - AutoAlign

Phase enc. dir.	A >> P
Slice group	3
Position	L0.0 A24.1 H0.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	
Initial Position	L0.0 A20.0 H0.0
L	0.0 mm
A	20.0 mm
н	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

System - Miscellaneous

Positioning mode	REF
Table position	Н
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	Off - All

System - Adjustments

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

System - Adjust Volume

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

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	123.249642 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
1st Signal/Wode	None
TR	8.6 ms
Concatenations	3
Segments	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	250 mm
FoV phase	100.0 %
Phase resolution	90 %

Physio - PACE

Resp. control	Off
Concatenations	3

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

Ο#	
Off	
	Off

Sequence - Part 1

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

Sequence - Part 2

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

Mode	Off	
Allowed delay	0 s	

\\USER\FIL\ROUTINE\800um_MPM_64ch\mfc_seste_b1map_v1e

TA: 3:00 PM: REF Voxel size: 4.0×4.0×4.0 mmPAT: 4 Rel. SNR: 1.00 : seste1e

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
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	48
FoV read	256 mm
FoV phase	75.0 %
Slice thickness	4.0 mm
TR	500.00 ms
TE 1	39.06 ms
TE 2	130.00 ms
Concatenations	1
Filter	None
Coil elements	HC1-7;NC1,2

Contrast - Common

TR	500.00 ms
TE 1	39.06 ms
TE 2	130.00 ms
Fat suppr.	Fat sat.

Contrast - Dynamic

Reconstruction	Magnitude
Measurements	11

Resolution - Common

FoV read	256 mm
FoV phase	75.0 %
Slice thickness	4.0 mm
Base resolution	64
Phase resolution	100 %
Slice resolution	100 %

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	48
Accel. factor 3D	2
Ref. lines 3D	48
Reference scan mode	GRE/separate

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	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
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	R >> L
Slice oversampling	0.0 %
Slices per slab	48
FoV read	256 mm
FoV phase	75.0 %
Slice thickness	4.0 mm
TR	500.00 ms
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
Н	0.0 mm
Initial Rotation	90.00 deg
Initial Orientation	Transversal

System - Miscellaneous

_ 	
Positioning mode	REF
Table position	Н
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	Standard	
B1 Shim mode	TrueForm	
Adjust with body coil	Off	
Confirm freq. adjustment	Off	
Assume Dominant Fat	Off	
Assume Silicone	Off	
Adjustment Tolerance	Auto	

System - Adjust Volume

Day 20 and	In a constant
Position	Isocenter
Orientation	Transversal
Rotation	90.00 deg
R >> L	192 mm
A >> P	256 mm
F >> H	192 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm

System - Tx/Rx

Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Dimension	3D
Contrasts	2
Bandwidth	2298 Hz/Px

Sequence - Part 2

Gradient mode	Performance
RF spoiling	Off

Sequence - Special

VoxDeph	24 2pi
SpoilAmp	10 mT/m
EddCurr0	1000 usec
EddCurr1	2000 usec
TRamp	140 usec
TFlat	260 usec
BWT	6 No unit
SlabGradScale	15.0
Refoc. Corr	6.0
IceProgram	IceProgram2DiPatOffline3D
Noise Adjust	Off
RF Spoil Basic Inc	50.0 deg
Trigger Type	Cogent
TM	33800 us

Mode	Off
Mode	Off

\\USER\FIL\ROUTINE\800um_MPM_64ch\gre_field_mapping_1acq_rl

TA: 2:14 PM: REF Voxel size: 3.0×3.0×2.0 mmRel. SNR: 1.00 : fm_r

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	Off
preparation	
Wait for user to start	On
Start measurements	Single measurement

Routine

Slice group	1
Slices	64
Dist. factor	50 %
Position	L0.0 A2.4 F0.6 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	
Phase oversampling	0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	1020.0 ms
TE 1	10.00 ms
TE 2	12.46 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	HC1-7;NC1,2

Contrast - Common

TR	1020.0 ms
TE 1	10.00 ms
TE 2	12.46 ms
MTC	Off
Flip angle	90 deg
Flip angle Fat suppr.	None

Contrast - Dynamic

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

Resolution - Common

FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
Base resolution	64
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	64
Dist. factor	50 %
Position	L0.0 A2.4 F0.6 mm
Orientation	Transversal
Phase enc. dir.	R >> L
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	1020.0 ms
Multi-slice mode	Interleaved
Series	Descending
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A2.4 F0.6 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	
Initial Position	L0.0 A2.4 F0.6
L	0.0 mm
A	2.4 mm
F	0.6 mm
Initial Rotation	90.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Special sat.	None

System - Miscellaneous

Positioning mode	REF
Table position	Н
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	Standard
B1 Shim mode	TrueForm
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	Isocenter
! Orientation	Transversal
! Rotation	90.00 deg
! R >> L	192 mm
! A >> P	256 mm
! F >> H	192 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Di Cillii illogo	11401 01111

System - Tx/Rx

Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	2D
Asymmetric echo	Off
Contrasts	2
Flow comp.	Yes
Multi-slice mode	Interleaved
Bandwidth	260 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Fast
RF spoiling	On

Mode	Off	
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\\USER\FIL\ROUTINE\800um_MPM_64ch\mfc_smaps_v1a_Array

TA: 5.9 s PM: FIX Voxel size: 8.0×8.0×8.0 mmPAT: Off Rel. SNR: 1.00 : sm3d_1a

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	Off
preparation	
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Slice oversampling	0.0 %
Slices per slab	22
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
TR	6.00 ms
TE 1	2.20 ms
TE 2	0.00 ms
TE 3	0.00 ms
TE 4	0.00 ms
TE 5	0.00 ms
TE 6	0.00 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	
TE 14	0.00 ms 0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
Concatenations	1
Filter	None
Coil elements	HC1-7;NC1,2

Contrast - Common

TR	6.00 ms
TE 1	2.20 ms
TE 2	0.00 ms
TE 3	0.00 ms
TE 4	0.00 ms
TE 5	0.00 ms
TE 6	0.00 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
MTC	Off
Flip angle	6 deg

Contrast - Dynamic

Reconstruction	Magnitude

Resolution - Common

FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
Base resolution	32
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off

Resolution - iPAT

PAT mode	None
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Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	22
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
TR	6.00 ms
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Initial Position	L0.0 A6.6 H6.6
L	0.0 mm
Α	6.6 mm
Н	6.6 mm
Initial Rotation	30.00 deg
Initial Orientation	Sagittal

System - Miscellaneous

Positioning mode	FIX
Table position	Н
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	Standard
B1 Shim mode	TrueForm
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Rotation	30.00 deg
A >> P	224 mm
F >> H	256 mm
R >> L	176 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
TB L 2010 mode	THUEFORM

System - Tx/Rx

Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Dimension	3D
Elliptical scanning	Off
Contrasts	1
Bandwidth	488 Hz/Px

Sequence - Part 2

Gradient mode	Performance
RF spoiling	On

Sequence - Special

Noise Adjust	On
RF Spoiling Increment	137.0 Degrees
Trajectory	Partitions in Lines
Prewinder (PE, RO) Ramp.	220 us
Prewinder (PE, RO) Dur.	610 us
Readout Ramp	110 us
RF Pulse Duration	160 us
Excitation	Selective
Reconstruction	ICE
Bandwidth Time Product	6.0
Rx on QBC Only	Off

Mode	Off	

\\USER\FIL\ROUTINE\800um_MPM_64ch\mfc_smaps_v1a_Body

TA: 5.9 s PM: FIX Voxel size: 8.0×8.0×8.0 mmPAT: Off Rel. SNR: 1.00 : sm3d_1a

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	Off
preparation	
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slabs	Slab group	1
Orientation Sagittal Phase enc. dir. A >> P AutoAlign Slice oversampling 0.0 % Slices per slab 22 FoV read 256 mm FoV phase 87.5 % Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms	Slabs	1
Phase enc. dir. A >> P AutoAlign Slice oversampling 0.0 % Slices per slab 22 FoV read 256 mm FoV phase 87.5 % Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms <	Position	L0.0 A6.6 H6.6 mm
AutoAlign Slice oversampling Slices per slab Slices per slab Slice thickness S	Orientation	Sagittal
Slice oversampling 0.0 % Slices per slab 22 FoV read 256 mm FoV phase 87.5 % Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms <td>Phase enc. dir.</td> <td>A >> P</td>	Phase enc. dir.	A >> P
Slices per slab 22 FoV read 256 mm FoV phase 87.5 % Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 9 0.00 ms TE 10 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 30 0.00 ms	AutoAlign	
FoV read FoV phase FoV phase Slice thickness S	Slice oversampling	0.0 %
FoV phase Slice thickness Slic	Slices per slab	22
Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms Concatenations 1 <td>FoV read</td> <td>256 mm</td>	FoV read	256 mm
TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 12 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms TE 32 0.00 ms	FoV phase	87.5 %
TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms TE 32 0.00 ms	Slice thickness	8.00 mm
TE 2	TR	6.00 ms
TE 3 TE 4 TE 5 TE 6 O.00 ms TE 6 O.00 ms TE 7 O.00 ms TE 7 O.00 ms TE 8 O.00 ms TE 9 O.00 ms TE 10 O.00 ms TE 11 O.00 ms TE 12 O.00 ms TE 12 O.00 ms TE 13 O.00 ms TE 14 O.00 ms TE 15 O.00 ms TE 16 O.00 ms TE 17 O.00 ms TE 18 O.00 ms TE 19 O.00 ms TE 20 O.00 ms TE 20 O.00 ms TE 21 O.00 ms TE 22 O.00 ms TE 22 O.00 ms TE 23 O.00 ms TE 24 O.00 ms TE 25 O.00 ms TE 26 O.00 ms TE 27 O.00 ms TE 28 O.00 ms TE 29 O.00 ms TE 30 O.00 ms TE 31 O.00 ms TE 32 O.00 ms	TE 1	2.20 ms
TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms TE 32 0.00 ms	TE 2	0.00 ms
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TE 5 TE 6 TE 7 TE 7 TE 8 TE 9 TE 9 TE 10 TE 11 TE 12 TE 13 TE 14 TE 15 TE 16 TE 16 TE 16 TE 17 TE 18 TE 18 TE 19 TE 18 TE 19 TE 19 TE 11 TE 11 TE 11 TE 12 TE 11 TE 12 TE 12 TE 13 TE 14 TE 15 TE 16 TE 16 TE 17 TE 18 TE 19 TE 18 TE 19 TE 19 TE 19 TE 19 TE 20 TE 21 TE 20 TE 21 TE 21 TE 22 TE 21 TE 22 TE 21 TE 22 TE 21 TE 22 TE 23 TE 24 TE 25 TE 24 TE 25 TE 26 TE 27 TE 28 TE 29 TE 29 TE 20 TE 29 TE 30 TE 31 TE 32 TE 32 Concatenations TE 11 TE 51 TE 52 TE 60 TE 70 TE 71 TE 72 TE 72 TE 73 TE 74 TE 75 TE 7		
TE 6 TE 7 TE 8 TE 8 TE 9 TE 10 TE 10 TE 11 TE 12 TE 13 TE 14 TE 15 TE 16 TE 16 TE 17 TE 18 TE 19 TE 18 TE 19 TE 18 TE 19 TE 16 TE 17 TE 18 TE 19 TE 20 TE 21 TE 22 TE 21 TE 21 TE 22 TE 21 TE 23 TE 24 TE 24 TE 25 TE 26 TE 27 TE 28 TE 29 TE 30 TE 30 TE 31 TE 32 Concatenations TE 11 TE 9 TE 000 ms TE 31 TE 32 Concatenations TE 7 TE 18 TE 19 TE 19 TE 29 TE 20 TE 21 TE 28 TE 29 TE 30 TE 31 TE 32 TE 32 TE 32 TE 32 TE 30 TE 31 TE 32 TE 32 TE 30 TE 31 TE 32 TE 31 TE 32 TE 32 TE 33 TE 34 TE 35 TE 36 TE 37 TE 38 TE 39 TE 30 TE 31 TE 31 TE 32 TE 32 TE 30 TE 31 TE 32 TE 31 TE 32 TE 32 TE 34 TE 35 TE 36 TE 37 TE 37 TE 38 TE 39 TE 30 TE 31 TE 31 TE 32 TE 32 TE 32 TE 34 TE 34 TE 34 TE 35 TE 36 TE 37 TE 37 TE 37 TE 38 TE 38 TE 39 TE 30 TE 30 TE 31 TE 32 TE 32 TE 32 TE 34 TE 34 TE 34 TE 35 TE 36 TE 36 TE 37 TE 37 TE 37 TE 38 TE		
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TE 32 0.00 ms Concatenations 1 Filter None		
Concatenations 1 Filter None		
Filter None		
Coll elements BC		
	Con elements	DC

Contrast - Common

TR	6.00 ms
TE 1	2.20 ms
TE 2	0.00 ms
TE 3	0.00 ms
TE 4	0.00 ms
TE 5	0.00 ms
TE 6	0.00 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
MTC	Off
Flip angle	6 deg

Contrast - Dynamic

Reconstruction	Magnitude
,	

Resolution - Common

FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
Base resolution	32
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off

Resolution - iPAT

PAT mode	None
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Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	22
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
TR	6.00 ms
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Initial Position	L0.0 A6.6 H6.6
L	0.0 mm
Α	6.6 mm
Н	6.6 mm
Initial Rotation	30.00 deg
Initial Orientation	Sagittal

System - Miscellaneous

Cyclem imocomunicas	
Positioning mode	FIX
Table position	Н
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	Standard
B1 Shim mode	TrueForm
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Rotation	30.00 deg
A >> P	224 mm
F >> H	256 mm
R >> L	176 mm
Reset	Off

System - pTx Volumes

ID1 Chim mode	TrucEorm
B1 Shim mode	TrueForm

System - Tx/Rx

Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Dimension	3D
Elliptical scanning	Off
Contrasts	1
Bandwidth	488 Hz/Px

Sequence - Part 2

Gradient mode	Performance
RF spoiling	On

Sequence - Special

Noise Adjust	On
RF Spoiling Increment	137.0 Degrees
Trajectory	Partitions in Lines
Prewinder (PE, RO) Ramp.	220 us
Prewinder (PE, RO) Dur.	610 us
Readout Ramp	110 us
RF Pulse Duration	160 us
Excitation	Selective
Reconstruction	ICE
Bandwidth Time Product	6.0
Rx on QBC Only	On

Mode	Off

\\USER\FIL\ROUTINE\800um_MPM_64ch\t1w_mfc_3dflash_v1l_R4

TA: 7:08 PM: FIX Voxel size: 0.8×0.8×0.8 mmPAT: 4 Rel. SNR: 1.00 : fl3d_1I

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	Off
preparation	
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slabs 1 Position L0.0 A42.2 H5.4 mm Orientation Sagittal Phase enc. dir. A >> P AutoAlign Slice oversampling 0.0 % Slices per slab 224 FoV read 256 mm FoV phase 87.5 % Slice thickness 0.80 mm TR 25.00 ms TE 1 2.30 ms TE 2 4.60 ms TE 3 6.90 ms TE 4 9.20 ms TE 5 11.50 ms TE 6 13.80 ms TE 7 16.10 ms TE 8 18.40 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 21 0.00 ms TE 22	Slab group	1
Orientation Phase enc. dir. Sagittal A >> P AutoAlign	Slabs	1
Phase enc. dir. A >> P AutoAlign Slice oversampling 0.0 % Slices per slab 224 FoV read 256 mm FoV phase 87.5 % Slice thickness 0.80 mm TR 25.00 ms TE 1 2.30 ms TE 2 4.60 ms TE 3 6.90 ms TE 4 9.20 ms TE 5 11.50 ms TE 6 13.80 ms TE 7 16.10 ms TE 8 18.40 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms	Position	L0.0 A42.2 H5.4 mm
AutoAlign	Orientation	Sagittal
Slice oversampling 0.0 % Slices per slab 224 FoV read 256 mm FoV phase 87.5 % Slice thickness 0.80 mm TR 25.00 ms TE 1 2.30 ms TE 2 4.60 ms TE 3 6.90 ms TE 4 9.20 ms TE 5 11.50 ms TE 6 13.80 ms TE 7 16.10 ms TE 8 18.40 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 29 0.00 ms	Phase enc. dir.	A >> P
Slices per slab 224 FoV read 256 mm FoV phase 87.5 % Slice thickness 0.80 mm TR 25.00 ms TE 1 2.30 ms TE 2 4.60 ms TE 3 6.90 ms TE 4 9.20 ms TE 5 11.50 ms TE 6 13.80 ms TE 7 16.10 ms TE 8 18.40 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 29 0.00 ms TE 29 0.00 ms	AutoAlign	
FoV read FoV phase Slice thickness Slice thick	Slice oversampling	0.0 %
FoV phase Slice thickness O.80 mm TR 25.00 ms TE 1 2.30 ms TE 2 4.60 ms TE 3 6.90 ms TE 4 9.20 ms TE 5 11.50 ms TE 6 13.80 ms TE 7 16.10 ms TE 8 18.40 ms TE 9 O.00 ms TE 10 O.00 ms TE 11 O.00 ms TE 11 O.00 ms TE 12 O.00 ms TE 13 O.00 ms TE 14 O.00 ms TE 15 O.00 ms TE 16 O.00 ms TE 17 O.00 ms TE 18 O.00 ms TE 19 O.00 ms TE 19 O.00 ms TE 20 O.00 ms TE 21 O.00 ms TE 22 O.00 ms TE 22 O.00 ms TE 23 O.00 ms TE 24 O.00 ms TE 25 O.00 ms TE 26 O.00 ms TE 28 O.00 ms TE 29 O.00 ms TE 31 O.00 ms TE 29 O.00 ms TE 30 O.00 ms TE 31 O.00 ms TE 32 O.00 ms	Slices per slab	224
Slice thickness 0.80 mm TR 25.00 ms TE 1 23.0 ms TE 2 4.60 ms TE 3 6.90 ms TE 4 9.20 ms TE 5 11.50 ms TE 6 13.80 ms TE 7 16.10 ms TE 8 18.40 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms	FoV read	256 mm
TR	FoV phase	87.5 %
TE 1 2.30 ms TE 2 4.60 ms TE 3 6.90 ms TE 4 9.20 ms TE 5 11.50 ms TE 6 13.80 ms TE 7 16.10 ms TE 8 18.40 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms TE 32 0.00 ms TE 33 0.00 ms	Slice thickness	0.80 mm
TE 2	TR	25.00 ms
TE 3 TE 4 9.20 ms TE 5 TE 6 11.50 ms TE 6 13.80 ms TE 7 16.10 ms TE 8 18.40 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 12 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 30 TE 31 0.00 ms TE 32 0.00 ms	TE 1	2.30 ms
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TE 5 TE 6 TE 6 TE 7 TE 8 TE 8 TE 8 TE 9 TE 10 TE 10 TE 11 TE 12 TE 12 TE 13 TE 14 TE 15 TE 15 TE 16 TE 15 TE 16 TE 17 TE 18 TE 19 TE 18 TE 19 TE 20 TE 20 TE 21 TE 22 TE 21 TE 21 TE 22 TE 23 TE 24 TE 25 TE 26 TE 27 TE 28 TE 29 TE 29 TE 30 TE 30 TE 31 TE 32 Concatenations TE 32 Concatenations TE 11 TE 12 TE 13 TE 24 TE 25 TE 26 TE 27 TE 28 TE 29 TE 30 TE 31 TE 32 TE 34 TE 35 TE 36 TE 37 TE 38 TE 39 TE 30 TE 31 TE 32 TE 30 TE 31 TE 32 TE 31 TE 31 TE 32 TE	TE 3	6.90 ms
TE 6 TE 7 TE 8 TE 8 TE 8 TE 9 TE 10 TE 10 TE 11 TE 12 TE 12 TE 13 TE 14 TE 15 TE 16 TE 17 TE 18 TE 18 TE 19 TE 18 TE 19 TE 20 TE 21 TE 22 TE 21 TE 21 TE 22 TE 21 TE 23 TE 24 TE 25 TE 26 TE 27 TE 28 TE 29 TE 29 TE 30 TE 30 TE 31 TE 32 Concatenations TE 32 Concatenations TE 11 TE 12 TE 28 TE 29 TE 30 TE 32 TE 32 TE 32 TE 32 TE 32 TE 32 TE 34 TE 35 TE 36 TE 37 TE 38 TE 39 TE 30 TE 31 TE 32 TE 31 TE 32 TE 31 TE 32 TE 31 TE 32 TE 31 TE 31 TE 32 TE 34	TE 4	9.20 ms
TE 7 TE 8 TE 8 TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 22 0.00 ms TE 23 TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 30 TE 30 0.00 ms TE 31 0.00 ms TE 32 Concatenations 1	TE 5	11.50 ms
TE 8 TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 Concatenations 1	TE 6	13.80 ms
TE 8 TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 Concatenations 1	TE 7	16.10 ms
TE 10		18.40 ms
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TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms TE 32 0.00 ms TE 32 TE 32 0.00 ms TE 31 TE 32 TE 32 TE 32 TE 34 TE 35 TE 35 TE 36 TE 36 TE 37 TE 37 TE 37 TE 39		
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		•
OUIL CICHTGING		
	Con elements	1101-1,INO1,Z

Contrast - Common

TR	25.00 ms
TE 1	2.30 ms
TE 2	4.60 ms
TE 3	6.90 ms
TE 4	9.20 ms
TE 5	11.50 ms
TE 6	13.80 ms
TE 7	16.10 ms
TE 8	18.40 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
MTC	Off
Flip angle	21 deg

Contrast - Dynamic

Decement visites Magnitude	
Reconstruction Magnitude	

Resolution - Common

FoV read	256 mm
FoV phase	87.5 %
Slice thickness	0.80 mm
Base resolution	320
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	40
Accel. factor 3D	2
Ref. lines 3D	40
Reference scan mode	Integrated

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

Slab group	1
Slabs	1
Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	224
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	0.80 mm
TR	25.00 ms
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Initial Position	L0.0 A42.2 H5.4
L	0.0 mm
A	42.2 mm
Н	5.4 mm
Initial Rotation	30.00 deg
Initial Orientation	Sagittal

System - Miscellaneous

<u> </u>	
Positioning mode	FIX
Table position	Н
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	Off - All

System - Adjustments

B0 Shim mode	Standard
B1 Shim mode	TrueForm
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Rotation	30.00 deg
A >> P	224 mm
F >> H	256 mm

System - Adjust Volume

R >> L	180 mm
Reset	Off

System - pTx Volumes

B1 Shim mode TrueForm

System - Tx/Rx

E 411	400 0 400 40 141 1
Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Dimension	3D
Elliptical scanning	Off
Contrasts	8
Bandwidth	488 Hz/Px

Sequence - Part 2

Gradient mode	Performance
RF spoiling	On

Sequence - Special

Noise Adjust	On
RF Spoiling Increment	137.0 Degrees
Trajectory	Partitions in Lines
Prewinder (PE, RO) Ramp.	220 us
Prewinder (PE, RO) Dur.	610 us
Readout Ramp	110 us
RF Pulse Duration	540 us
Excitation	Non-Selective
Reconstruction	ICE
Bandwidth Time Product	6.0
QBC Allowed?	Off

Mode	Off	

\\USER\FIL\ROUTINE\800um_MPM_64ch\mfc_smaps_v1a_Array

TA: 5.9 s PM: FIX Voxel size: 8.0×8.0×8.0 mmPAT: Off Rel. SNR: 1.00 : sm3d_1a

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	Off
preparation	
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Slice oversampling	0.0 %
Slices per slab	22
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
TR	6.00 ms
TE 1	2.20 ms
TE 2	0.00 ms
TE 3	0.00 ms
TE 4	0.00 ms
TE 5	0.00 ms
TE 6	0.00 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
	0.00 ms 1
Concatenations	•
Filter	None
Coil elements	HC1-7;NC1,2

Contrast - Common

TR	6.00 ms
TE 1	2.20 ms
TE 2	
TE 3	0.00 ms
	0.00 ms
TE 4	0.00 ms
TE 5	0.00 ms
TE 6	0.00 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
MTC	Off
Flip angle	6 deg

Contrast - Dynamic

Reconstruction	Magnitude

Resolution - Common

FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
Base resolution	32
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off

Resolution - iPAT

PAT mode	None
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Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	22
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
TR	6.00 ms
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Initial Position	L0.0 A6.6 H6.6
L	0.0 mm
A	6.6 mm
Н	6.6 mm
Initial Rotation	30.00 deg
Initial Orientation	Sagittal

System - Miscellaneous

Positioning mode	FIX
Table position	Н
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	Standard
B1 Shim mode	TrueForm
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Rotation	30.00 deg
A >> P	224 mm
F >> H	256 mm
R >> L	176 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
ID I SHIIH HOUE	HUEFUIII

System - Tx/Rx

Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Dimension	3D
Elliptical scanning	Off
Contrasts	1
Bandwidth	488 Hz/Px

Sequence - Part 2

Gradient mode	Performance
RF spoiling	On

Sequence - Special

Noise Adjust	On
RF Spoiling Increment	137.0 Degrees
Trajectory	Partitions in Lines
Prewinder (PE, RO) Ramp.	220 us
Prewinder (PE, RO) Dur.	610 us
Readout Ramp	110 us
RF Pulse Duration	160 us
Excitation	Selective
Reconstruction	ICE
Bandwidth Time Product	6.0
Rx on QBC Only	Off

Mode	Off	

\\USER\FIL\ROUTINE\800um_MPM_64ch\mfc_smaps_v1a_Body

TA: 5.9 s PM: FIX Voxel size: 8.0×8.0×8.0 mmPAT: Off Rel. SNR: 1.00 : sm3d_1a

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	Off
preparation	
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Slice oversampling	0.0 %
Slices per slab	22
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
TR	6.00 ms
TE 1	2.20 ms
TE 2	0.00 ms
TE 3	0.00 ms
TE 4	0.00 ms
TE 5	0.00 ms
TE 6	0.00 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
Concatenations	1
Filter	None
Coil elements	BC

Contrast - Common

TR	6.00 ms
TE 1	2.20 ms
TE 2	0.00 ms
TE 3	0.00 ms
TE 4	0.00 ms
TE 5	0.00 ms
TE 6	0.00 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
MTC	Off
Flip angle	6 deg

Contrast - Dynamic

Reconstruction	Magnitude

Resolution - Common

FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
Base resolution	32
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off

Resolution - iPAT

PAT mode	None
----------	------

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

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	22
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
TR	6.00 ms
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Initial Position	L0.0 A6.6 H6.6
L	0.0 mm
A	6.6 mm
Н	6.6 mm
Initial Rotation	30.00 deg
Initial Orientation	Sagittal

System - Miscellaneous

Positioning mode	FIX
Table position	Н
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	Standard
B1 Shim mode	TrueForm
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Rotation	30.00 deg
A >> P	224 mm
F >> H	256 mm
R >> L	176 mm
Reset	Off

System - pTx Volumes

ID1 Chim mode	TrucEorm
B1 Shim mode	TrueForm

System - Tx/Rx

Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Dimension	3D
Elliptical scanning	Off
Contrasts	1
Bandwidth	488 Hz/Px

Sequence - Part 2

Gradient mode	Performance
RF spoiling	On

Sequence - Special

Noise Adjust	On
RF Spoiling Increment	137.0 Degrees
Trajectory	Partitions in Lines
Prewinder (PE, RO) Ramp.	220 us
Prewinder (PE, RO) Dur.	610 us
Readout Ramp	110 us
RF Pulse Duration	160 us
Excitation	Selective
Reconstruction	ICE
Bandwidth Time Product	6.0
Rx on QBC Only	On

Mode	Off	

\\USER\FIL\ROUTINE\800um_MPM_64ch\pdw_mfc_3dflash_v1I_R4

TA: 7:08 PM: FIX Voxel size: 0.8×0.8×0.8 mmPAT: 4 Rel. SNR: 1.00 : fl3d_1I

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	Off
preparation	
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Slice oversampling	0.0 %
Slices per slab	224
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	0.80 mm
TR	25.00 ms
TE 1	2.30 ms
TE 2	4.60 ms
TE 3	6.90 ms
TE 4	9.20 ms
TE 5	11.50 ms
TE 6	13.80 ms
TE 7	16.10 ms
TE 8	18.40 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
Concatenations	1
Filter	None
Coil elements	HC1-7;NC1,2

Contrast - Common

TR	25.00 ms
TE 1	2.30 ms
TE 2	4.60 ms
TE 3	6.90 ms
TE 4	9.20 ms
TE 5	11.50 ms
TE 6	13.80 ms
TE 7	16.10 ms
TE 8	18.40 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
MTC	Off
Flip angle	6 deg

Contrast - Dynamic

Reconstruction	Magnitude	

Resolution - Common

FoV read	256 mm
FoV phase	87.5 %
Slice thickness	0.80 mm
Base resolution	320
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	40
Accel. factor 3D	2
Ref. lines 3D	40
Reference scan mode	Integrated

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

Slab group	1
Slabs	1
Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	224
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	0.80 mm
TR	25.00 ms
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Initial Position	L0.0 A42.2 H5.4
L	0.0 mm
Α	42.2 mm
Н	5.4 mm
Initial Rotation	30.00 deg
Initial Orientation	Sagittal

System - Miscellaneous

Positioning mode	FIX
Table position	Н
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	Off - All

System - Adjustments

B0 Shim mode	Standard
B1 Shim mode	TrueForm
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Rotation	30.00 deg
A >> P	224 mm
F >> H	256 mm

System - Adjust Volume

R >> L	180 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm

System - Tx/Rx

Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Dimension	3D
Elliptical scanning	Off
Contrasts	8
Bandwidth	488 Hz/Px

Sequence - Part 2

Gradient mode	Performance
RF spoiling	On

Sequence - Special

Noise Adjust	On
RF Spoiling Increment	137.0 Degrees
Trajectory	Partitions in Lines
Prewinder (PE, RO) Ramp.	220 us
Prewinder (PE, RO) Dur.	610 us
Readout Ramp	110 us
RF Pulse Duration	160 us
Excitation	Non-Selective
Reconstruction	ICE
Bandwidth Time Product	6.0
QBC Allowed?	Off

Mode	Off	

\\USER\FIL\ROUTINE\800um_MPM_64ch\mfc_smaps_v1a_Array

TA: 5.9 s PM: FIX Voxel size: 8.0×8.0×8.0 mmPAT: Off Rel. SNR: 1.00 : sm3d_1a

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	Off
preparation	
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Slice oversampling	0.0 %
Slices per slab	22
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
TR	6.00 ms
TE 1	2.20 ms
TE 2	0.00 ms
TE 3	0.00 ms
TE 4	0.00 ms
TE 5	0.00 ms
TE 6	0.00 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
	0.00 ms 1
Concatenations	•
Filter	None
Coil elements	HC1-7;NC1,2

Contrast - Common

TR	6.00 ms
TE 1	2.20 ms
TE 2	0.00 ms
TE 3	0.00 ms
TE 4	0.00 ms
TE 5	0.00 ms
TE 6	0.00 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
MTC	Off
Flip angle	6 deg

Contrast - Dynamic

Reconstruction	Magnitude
•	

Resolution - Common

FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
Base resolution	32
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off

Resolution - iPAT

PAT mode	None
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Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	22
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
TR	6.00 ms
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Initial Position	L0.0 A6.6 H6.6
L	0.0 mm
A	6.6 mm
Н	6.6 mm
Initial Rotation	30.00 deg
Initial Orientation	Sagittal

System - Miscellaneous

Positioning mode	FIX
Table position	Н
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	Standard
B1 Shim mode	TrueForm
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Rotation	30.00 deg
A >> P	224 mm
F >> H	256 mm
R >> L	176 mm
Reset	Off

System - pTx Volumes

ID1 Chim mode	TrucEorm
B1 Shim mode	TrueForm

System - Tx/Rx

Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Dimension	3D
Elliptical scanning	Off
Contrasts	1
Bandwidth	488 Hz/Px

Sequence - Part 2

Gradient mode	Performance
RF spoiling	On

Sequence - Special

Noise Adjust	On
RF Spoiling Increment	137.0 Degrees
Trajectory	Partitions in Lines
Prewinder (PE, RO) Ramp.	220 us
Prewinder (PE, RO) Dur.	610 us
Readout Ramp	110 us
RF Pulse Duration	160 us
Excitation	Selective
Reconstruction	ICE
Bandwidth Time Product	6.0
Rx on QBC Only	Off

Mode	Off

\\USER\FIL\ROUTINE\800um_MPM_64ch\mfc_smaps_v1a_Body

TA: 5.9 s PM: FIX Voxel size: 8.0×8.0×8.0 mmPAT: Off Rel. SNR: 1.00 : sm3d_1a

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	•
Start measurements	Single measurement

Routine

Slabs 1 Position L0.0 A6.6 H6.6 mm Orientation Sagittal Phase enc. dir. A >> P AttoAlign Slice oversampling 0.0 % Slices per slab 22 FoV read 256 mm FoV phase 87.5 % Slice thickness 8.00 mm TE 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 21 0.00 ms TE 22 0.00 ms	Slab group	1
Orientation Phase enc. dir. Sagittal A >> P AutoAlign Slice oversampling 0.0 % Slices per slab 22 FoV read 256 mm FoV phase 87.5 % Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 19 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms	Slabs	1
Phase enc. dir. A >> P AutoAlign Slice oversampling 0.0 % Slices per slab 22 FoV read 256 mm FoV phase 87.5 % Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 19 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms <	Position	L0.0 A6.6 H6.6 mm
AutoAlign	Orientation	Sagittal
Slice oversampling 0.0 % Slices per slab 22 FoV read 256 mm FoV phase 87.5 % Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms <td>Phase enc. dir.</td> <td>A >> P</td>	Phase enc. dir.	A >> P
Slices per slab 22 FoV read 256 mm FoV phase 87.5 % Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms	AutoAlign	
Slices per slab 22 FoV read 256 mm FoV phase 87.5 % Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms	Slice oversampling	0.0 %
FoV phase Slice thickness Slic		22
Slice thickness 8.00 mm TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms Concatenations 1 <	FoV read	256 mm
TR 6.00 ms TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 12 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms TE 32 0.00 ms	FoV phase	87.5 %
TE 1 2.20 ms TE 2 0.00 ms TE 3 0.00 ms TE 4 0.00 ms TE 5 0.00 ms TE 6 0.00 ms TE 7 0.00 ms TE 8 0.00 ms TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms TE 32 0.00 ms TE 32 0.00 ms	Slice thickness	8.00 mm
TE 2	TR	6.00 ms
TE 3	TE 1	2.20 ms
TE 3	TE 2	0.00 ms
TE 5		0.00 ms
TE 6 TE 7 TE 8 TE 9 TE 10 TE 10 TE 11 TE 12 TE 13 TE 14 TE 15 TE 16 TE 17 TE 18 TE 19 TE 18 TE 19 TE 19 TE 19 TE 19 TE 11 TE 11 TE 11 TE 12 TE 11 TE 12 TE 13 TE 14 TE 15 TE 15 TE 16 TE 17 TE 18 TE 19 TE 18 TE 19 TE 19 TE 19 TE 20 TE 20 TE 21 TE 21 TE 21 TE 22 TE 21 TE 21 TE 22 TE 21 TE 22 TE 23 TE 24 TE 24 TE 25 TE 24 TE 25 TE 26 TE 27 TE 28 TE 29 TE 29 TE 30 TE 30 TE 31 TE 32 TE 32 Concatenations TE TIP TO 0.00 ms TE 31 TE 32 Concatenations TE TIP TE 0.00 ms TE 31 TE 32 TE 21 TE 0.00 ms TE 31 TE 32 TE 32 TE 31 TE 32 TE 32 TE 32 TE 34	TE 4	0.00 ms
TE 6 TE 7 TE 8 TE 9 TE 10 TE 10 TE 11 TE 12 TE 13 TE 14 TE 15 TE 16 TE 17 TE 18 TE 19 TE 18 TE 19 TE 19 TE 19 TE 19 TE 11 TE 11 TE 11 TE 12 TE 11 TE 12 TE 13 TE 14 TE 15 TE 15 TE 16 TE 17 TE 18 TE 19 TE 18 TE 19 TE 19 TE 19 TE 20 TE 20 TE 21 TE 21 TE 21 TE 22 TE 21 TE 21 TE 22 TE 21 TE 22 TE 23 TE 24 TE 24 TE 25 TE 24 TE 25 TE 26 TE 27 TE 28 TE 29 TE 29 TE 30 TE 30 TE 31 TE 32 TE 32 Concatenations TE TIP TO 0.00 ms TE 31 TE 32 Concatenations TE TIP TE 0.00 ms TE 31 TE 32 TE 21 TE 0.00 ms TE 31 TE 32 TE 32 TE 31 TE 32 TE 32 TE 32 TE 34	TE 5	0.00 ms
TE 8		0.00 ms
TE 8	TE 7	0.00 ms
TE 9 0.00 ms TE 10 0.00 ms TE 11 0.00 ms TE 12 0.00 ms TE 13 0.00 ms TE 14 0.00 ms TE 15 0.00 ms TE 16 0.00 ms TE 17 0.00 ms TE 18 0.00 ms TE 19 0.00 ms TE 20 0.00 ms TE 21 0.00 ms TE 22 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms TE 32 0.00 ms TE 33 0.00 ms TE 33 0.00 ms TE 31 0.00 ms TE 32 0.00 ms		
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TE 21 0.00 ms TE 22 0.00 ms TE 23 0.00 ms TE 24 0.00 ms TE 25 0.00 ms TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms TE 32 0.00 ms TE 32 Filter None		
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TE 26 0.00 ms TE 27 0.00 ms TE 28 0.00 ms TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms Concatenations 1 Filter None		
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TE 29 0.00 ms TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms Concatenations 1 Filter None		
TE 30 0.00 ms TE 31 0.00 ms TE 32 0.00 ms Concatenations 1 Filter None		
TE 31 0.00 ms TE 32 0.00 ms Concatenations 1 Filter None		
TE 32 0.00 ms Concatenations 1 Filter None		
Concatenations 1 Filter None		
Filter None		
		•
OOII GIGINGIII?		
	Con elements	ы

Contrast - Common

TR	6.00 ms
TE 1	2.20 ms
TE 2	0.00 ms
TE 3	0.00 ms
TE 4	0.00 ms
TE 5	0.00 ms
TE 6	0.00 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
MTC	Off
Flip angle	6 deg

Contrast - Dynamic

Reconstruction	Magnitude
•	

Resolution - Common

FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
Base resolution	32
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off

Resolution - iPAT

PAT mode	None
----------	------

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

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	22
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	8.00 mm
TR	6.00 ms
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Initial Position	L0.0 A6.6 H6.6
L	0.0 mm
Α	6.6 mm
Н	6.6 mm
Initial Rotation	30.00 deg
Initial Orientation	Sagittal

System - Miscellaneous

Positioning mode	FIX
Table position	Н
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	Standard
B1 Shim mode	TrueForm
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L0.0 A6.6 H6.6 mm
Orientation	Sagittal
Rotation	30.00 deg
A >> P	224 mm
A >> P F >> H	256 mm
R >> L	176 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm

System - Tx/Rx

Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Dimension	3D
Elliptical scanning	Off
Contrasts	1
Bandwidth	488 Hz/Px

Sequence - Part 2

Gradient mode	Performance
RF spoiling	On

Sequence - Special

Noise Adjust	On
RF Spoiling Increment	137.0 Degrees
Trajectory	Partitions in Lines
Prewinder (PE, RO) Ramp.	220 us
Prewinder (PE, RO) Dur.	610 us
Readout Ramp	110 us
RF Pulse Duration	160 us
Excitation	Selective
Reconstruction	ICE
Bandwidth Time Product	6.0
Rx on QBC Only	On

Mode	Off	

\\USER\FIL\ROUTINE\800um_MPM_64ch\mtw_mfc_3dflash_v1I_R4

TA: 7:08 PM: FIX Voxel size: 0.8×0.8×0.8 mmPAT: 4 Rel. SNR: 1.00 : fl3d_1l

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	Off
preparation	
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Slice oversampling	0.0 %
Slices per slab	224
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	0.80 mm
TR	25.00 ms
TE 1	2.30 ms
TE 2	4.60 ms
TE 3	6.90 ms
TE 4	9.20 ms
TE 5	11.50 ms
TE 6	13.80 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
Concatenations	1
Filter	None
Coil elements	HC1-7;NC1,2
	- · · · · · · · · · · · · · · · · · · ·

Contrast - Common

TD	2F 00 ma
TR	25.00 ms
TE 1	2.30 ms
TE 2	4.60 ms
TE 3	6.90 ms
TE 4	9.20 ms
TE 5	11.50 ms
TE 6	13.80 ms
TE 7	0.00 ms
TE 8	0.00 ms
TE 9	0.00 ms
TE 10	0.00 ms
TE 11	0.00 ms
TE 12	0.00 ms
TE 13	0.00 ms
TE 14	0.00 ms
TE 15	0.00 ms
TE 16	0.00 ms
TE 17	0.00 ms
TE 18	0.00 ms
TE 19	0.00 ms
TE 20	0.00 ms
TE 21	0.00 ms
TE 22	0.00 ms
TE 23	0.00 ms
TE 24	0.00 ms
TE 25	0.00 ms
TE 26	0.00 ms
TE 27	0.00 ms
TE 28	0.00 ms
TE 29	0.00 ms
TE 30	0.00 ms
TE 31	0.00 ms
TE 32	0.00 ms
MTC	On
Flip angle	6 deg

Contrast - Dynamic

Reconstruction	Magnitude

Resolution - Common

FoV read	256 mm
FoV phase	87.5 %
Slice thickness	0.80 mm
Base resolution	320
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	40
Accel. factor 3D	2
Ref. lines 3D	40
Reference scan mode	Integrated

Image Filter	Off	
Distortion Corr.	Off	

Resolution - Filter Image

Prescan Normalize	Off	
Normalize	Off	
B1 filter	Off	

Resolution - Filter Rawdata

ſ	Raw filter	Off
l	Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	224
FoV read	256 mm
FoV phase	87.5 %
Slice thickness	0.80 mm
TR	25.00 ms
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	
Initial Position	L0.0 A42.2 H5.4
L	0.0 mm
A	42.2 mm
Н	5.4 mm
Initial Rotation	30.00 deg
Initial Orientation	Sagittal

System - Miscellaneous

Positioning mode	FIX
Table position	Н
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	Off - All

System - Adjustments

B0 Shim mode	Standard	
B1 Shim mode	TrueForm	
Adjust with body coil	Off	
Confirm freq. adjustment	Off	
Assume Dominant Fat	Off	
Assume Silicone	Off	
Adjustment Tolerance	Auto	

System - Adjust Volume

Position	L0.0 A42.2 H5.4 mm
Orientation	Sagittal
Rotation	30.00 deg
A >> P	224 mm
F >> H	256 mm

System - Adjust Volume

R >> L	180 mm
Reset	Off

System - pTx Volumes

B1 Shim	mode	TrueForm

System - Tx/Rx

Frequency 1H	123.249642 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Dimension	3D
Elliptical scanning	Off
Contrasts	6
Bandwidth	488 Hz/Px

Sequence - Part 2

Gradient mode	Performance
RF spoiling	On

Sequence - Special

Noise Adjust	On
RF Spoiling Increment	137.0 Degrees
Trajectory	Partitions in Lines
Prewinder (PE, RO) Ramp.	220 us
Prewinder (PE, RO) Dur.	610 us
Readout Ramp	110 us
RF Pulse Duration	160 us
Excitation	Non-Selective
Reconstruction	ICE
Bandwidth Time Product	6.0
QBC Allowed?	Off

Mode	Off	