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WBMR with TimCT

WBMR with TimCT

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\\USER\Exports\WBMR with TimCT\WBMR with TimCT\FastViewLocalizer

TA: 0:35 PM: ISO Voxel size: 5.0×5.0×5.0 mmRel. SNR: 1.00 : flct

Properties

Prio recon	Off
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	On
Auto close inline display	On
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	1
Dist. factor	100 %
Position	L0.0 A25.0 H247.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
FoV read	480 mm
FoV phase	87.5 %
Slice thickness	5 mm
TR	3.31 ms
TE	2.19 ms
Filter	Distortion Corr.(2D)
Coil elements	BC

Contrast - Common

TR	3.31 ms
TE	2.19 ms

Resolution - Common

FoV read	480 mm
FoV phase	87.5 %
Slice thickness	5 mm
Base resolution	96
Phase resolution	100 %
Phase partial Fourier	6/8

Geometry - Common

Slice group	1
Slices	1
Dist. factor	100 %
Position	L0.0 A25.0 H247.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	480 mm
FoV phase	87.5 %
Slice thickness	5 mm
TR	3.31 ms

Geometry - AutoAlign

Slice group	1
Position	L0.0 A25.0 H247.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 A25.0 H247.0

Geometry - AutoAlign

L	0.0 mm
A	25.0 mm
H	247.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Tim Planning Suite

Table position	H
Table position	247 mm
Inline Composing	Off

Geometry - Tim CT

Tim CT mode	On
Range start	H
Range start	250 mm
Total FoV	H >> F
Total FoV	1250 mm
Slices	1
Slice thickness	5 mm
Dist. factor	100 %
FoV read	480 mm
FoV phase	87.5 %
Perform CTM adjustments	On
Table Speed	36 mm/s

System - Miscellaneous

Positioning mode	ISO
Table position	H
Table position	247 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Standard
Adj. water suppr.	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Perform CTM adjustments	On
Adjustment Tolerance	Maximum

System - Tx/Rx

Frequency 1H	63.694710 MHz
Correction factor	1
Img. Scale Cor.	1.000

Sequence - Part 1

Dimension	2D
Bandwidth	801.282051 Hz/Px

Sequence - Assistant

Mode	Off
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\\USER\Exports\WBMR with TimCT\WBMR with TimCT\t2_tirm_tse_sag

TA: 2:30 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tirR_rr | Substep: 1/2

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	On
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	15
Dist. factor	20 %
Position	L10.1 A39.4 F41.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	5110.0 ms
TE	69.0 ms
Averages	2
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	HE4;NE2;SP1,2

Contrast - Common

TR	5110.0 ms
TE	69.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
T1	160 ms
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On
Freeze suppressed tissue	Off

Contrast - Dynamic

Averages	2
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	384
Phase resolution	60 %
Phase partial Fourier	Off
Trajectory	Cartesian

Resolution - Common

Interpolation	Off
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Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Reference scan mode	Self-calibration

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	On

Geometry - Common

Slice group	1
Slices	15
Dist. factor	20 %
Position	L10.1 A39.4 F41.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	5110.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L10.1 A39.4 F41.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	L10.1 A39.4 F41.7
L	10.1 mm
A	39.4 mm
F	41.7 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	1.0
> C	0.0

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Restore magn.	On
Special sat.	None

Geometry - Navigator

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	42 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	15
Slice thickness	4.0 mm
Dist. factor	20 %
FoV read	380 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	42 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect

System - Adjustments

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

System - Adjust Volume

Position	L10.1 A39.4 F41.7 mm
Orientation	S > T1.0
Rotation	90.00 deg
F >> H	380 mm
A >> P	380 mm
R >> L	72 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.694710 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	5110.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	Slice-sel. IR
TI	160 ms

Physio - Cardiac

Fat suppr.	None
Dark blood	Off
FoV read	380 mm
FoV phase	100.0 %
Phase resolution	60 %
Trajectory	Cartesian

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	On
Composing Function	Spine
Normalize	Off
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Sequence - Part 1

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Flow comp.	Read
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	9.84 ms
Bandwidth	191 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	14
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	17

Sequence - Assistant

Mode	Min flip angle
Min flip angle	130 deg
Allowed delay	30 s

\\USER\Exports\WBMR with TimCT\WBMR with TimCT\t2_tirm_tse_sag

TA: 2:30 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tirR_rr | Substep: 2/2

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	On
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	15
Dist. factor	20 %
Position	L4.3 A39.4 F371.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	5110.0 ms
TE	69.0 ms
Averages	2
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	SP2-4

Contrast - Common

TR	5110.0 ms
TE	69.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
T1	160 ms
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On
Freeze suppressed tissue	Off

Contrast - Dynamic

Averages	2
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	384
Phase resolution	60 %
Phase partial Fourier	Off
Trajectory	Cartesian

Resolution - Common

Interpolation	Off
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Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Reference scan mode	Self-calibration

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	On

Geometry - Common

Slice group	1
Slices	15
Dist. factor	20 %
Position	L4.3 A39.4 F371.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	5110.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L4.3 A39.4 F371.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Restore magn.	On
Special sat.	None

Geometry - Navigator

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	372 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	15
Slice thickness	4.0 mm
Dist. factor	20 %
FoV read	380 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	372 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect

System - Adjustments

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

System - Adjust Volume

Position	L4.3 A39.4 F371.7 mm
Orientation	S > T1.0
Rotation	90.00 deg
F >> H	380 mm
A >> P	380 mm
R >> L	72 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.694710 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	5110.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	Slice-sel. IR
TI	160 ms

Physio - Cardiac

Fat suppr.	None
Dark blood	Off
FoV read	380 mm
FoV phase	100.0 %
Phase resolution	60 %
Trajectory	Cartesian

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	On
Composing Function	Spine
Normalize	Off
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Sequence - Part 1

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Flow comp.	Read
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	9.84 ms
Bandwidth	191 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	14
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	17

Sequence - Assistant

Mode	Min flip angle
Min flip angle	130 deg
Allowed delay	30 s

\\USER\Exports\WBMR with TimCT\WBMR with TimCT\t1_tse_sag

TA: 1:07 PM: ISO Voxel size: 1.5×1.5×4.0 mmPAT: 2 Rel. SNR: 1.00 : tse | Substep: 1/2

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	On
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	15
Dist. factor	20 %
Position	L10.1 A39.4 F41.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	80 %
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	200.0 ms
TE	9.6 ms
Averages	2
Concatenations	3
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	HE4;NE2;SP1,2

Contrast - Common

TR	200.0 ms
TE	9.6 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	2
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	256
Phase resolution	70 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Reference scan mode	Self-calibration

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	On

Geometry - Common

Slice group	1
Slices	15
Dist. factor	20 %
Position	L10.1 A39.4 F41.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	200.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	3

Geometry - AutoAlign

Slice group	1
Position	L10.1 A39.4 F41.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	L10.1 A39.4 F41.7
L	10.1 mm
A	39.4 mm
F	41.7 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	1.0
> C	0.0

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Special sat.	None

Geometry - Navigator**Geometry - Tim Planning Suite**

Set-n-Go Protocol	On
Table position	F

Geometry - Tim Planning Suite

Table position	42 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	15
Slice thickness	4.0 mm
Dist. factor	20 %
FoV read	380 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	42 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect

System - Adjustments

B0 Shim mode	Tune up
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 - Tx/Rx

Frequency 1H	63.694710 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	200.0 ms
Concatenations	3

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	380 mm

Physio - Cardiac

FoV phase	100.0 %
Phase resolution	70 %
Trajectory	Cartesian

Physio - PACE

Resp. control	Off
Concatenations	3

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	On
Composing Function	Spine
Normalize	Off
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Sequence - Part 1

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Flow comp.	No
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	9.58 ms
Bandwidth	181 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	54
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Fast
WARP	Off
Red. EC sensitivity	Off
Turbo factor	3

Sequence - Assistant

Mode	Min flip angle
Min flip angle	130 deg
Allowed delay	30 s

\\USER\Exports\WBMR with TimCT\WBMR with TimCT\t1_tse_sag

TA: 1:07 PM: ISO Voxel size: 1.5×1.5×4.0 mmPAT: 2 Rel. SNR: 1.00 : tse | Substep: 2/2

Properties

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	On
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	15
Dist. factor	20 %
Position	L4.3 A39.4 F371.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	80 %
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	200.0 ms
TE	9.6 ms
Averages	2
Concatenations	3
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	SP2-4

Contrast - Common

TR	200.0 ms
TE	9.6 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	2
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	256
Phase resolution	70 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Reference scan mode	Self-calibration

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	On

Geometry - Common

Slice group	1
Slices	15
Dist. factor	20 %
Position	L4.3 A39.4 F371.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
FoV read	380 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	200.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	3

Geometry - AutoAlign

Slice group	1
Position	L4.3 A39.4 F371.7 mm
Orientation	S > T1.0
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Special sat.	None

Geometry - Navigator**Geometry - Tim Planning Suite**

Set-n-Go Protocol	On
Table position	F
Table position	372 mm
Inline Composing	On

Geometry - Tim Planning Suite

Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	15
Slice thickness	4.0 mm
Dist. factor	20 %
FoV read	380 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	372 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect

System - Adjustments

B0 Shim mode	Tune up
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 - Tx/Rx

Frequency 1H	63.694710 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	200.0 ms
Concatenations	3

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	380 mm
FoV phase	100.0 %
Phase resolution	70 %

Physio - Cardiac

Trajectory	Cartesian
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Physio - PACE

Resp. control	Off
Concatenations	3

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	On
Composing Function	Spine
Normalize	Off
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Sequence - Part 1

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	On
Contrasts	1
Flow comp.	No
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	9.58 ms
Bandwidth	181 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	54
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Fast
WARP	Off
Red. EC sensitivity	Off
Turbo factor	3

Sequence - Assistant

Mode	Min flip angle
Min flip angle	130 deg
Allowed delay	30 s

\\USER\Exports\WBMR with TimCT\WBMR with TimCT\t1_fl2d_dixon_fs_tra_p2_ct_mbh

TA: 3:45 PM: ISO Voxel size: 1.7×1.7×5.0 mmRel. SNR: 1.00 : flct

Properties

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

Routine

Slice group	1
Slices	12
Dist. factor	0 %
Position	L5.3 A42.0 H166.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
TR	130.0 ms
TE 1	2.38 ms
TE 2	4.76 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	HE4;NE2;SP1

Contrast - Common

TR	130.0 ms
TE 1	2.38 ms
TE 2	4.76 ms
MTC	Off
Magn. preparation	None
Flip angle	60 deg
Fat suppr.	None
Water suppr.	None
Dixon	On
SWI	Off

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	18
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s

Contrast - Dynamic

Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s
Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Multiple series	Off

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	70 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Integrated

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	12
Dist. factor	0 %
Position	L5.3 A42.0 H166.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
TR	130.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L5.3 A42.0 H166.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L5.3 A42.0 H166.5

Geometry - AutoAlign

L	5.3 mm
A	42.0 mm
H	166.5 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Quick
Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Q-parallel F/H
Gap	20.0 mm
Thickness	60 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table position	H
Table position	231 mm
Inline Composing	Off

Geometry - Tim CT

Tim CT mode	On
Range start	H
Range start	194 mm
Total FoV	H >> F
Total FoV	1015 mm
Slices	12
Slice thickness	5.0 mm
Dist. factor	0 %
FoV read	430 mm
FoV phase	81.3 %
Segments	16
Table Speed	4.8 mm/s

System - Miscellaneous

Positioning mode	ISO
Table position	H
Table position	231 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	Off - All

System - Adjustments

B0 Shim mode	Standard
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Tx/Rx

Frequency 1H	63.694710 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000

Physio - Signal1

1st Signal/Mode	None
TR	130.0 ms
Concatenations	1
Segments	16

Physio - Cardiac

Tagging	None
Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	70 %

Physio - PACE

Resp. control	Breath-hold
Breath-hold duration	14.6 s
Concatenations	1

Inline - Common

Subtract	Off
Measurements	18
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	18
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s
Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s

Inline - Composing

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

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	60 deg
Measurements	18
Contrasts	2
TR	130.0 ms
TE 1	2.38 ms
TE 2	4.76 ms

Sequence - Part 1

Introduction	Off
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Contrasts	2
Flow comp. 1	No
Readout mode	Bipolar
Multi-slice mode	Interleaved
Bandwidth 1	450 Hz/Px
Bandwidth 2	450 Hz/Px

Sequence - Part 2

Segments	16
Acoustic noise reduction	None
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On

Sequence - Assistant

Mode	Min flip angle
Min flip angle	40 deg

\\USER\Exports\WBMR with TimCT\WBMR with TimCT\ep2d_diff_stir_b50_600_900_tra_p2

TA: 4:55 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 1/4

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	55
Dist. factor	0 %
Position	L2.5 A39.3 H84.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
TR	7370 ms
TE	66.0 ms
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	HE1-4;NE1,2;SP1

Contrast - Common

TR	7370 ms
TE	66.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	180 ms
IR scheme	Sequential
Fat suppr.	None

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Delay in TR	0 ms

Resolution - Common

FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
Base resolution	128
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32

Resolution - iPAT

Reference scan mode	GRE/separate
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Resolution - Filter Image

Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Dynamic Field Corr.	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	55
Dist. factor	0 %
Position	L2.5 A39.3 H84.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
TR	7370 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L2.5 A39.3 H84.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L2.5 A39.3 H84.0
L	2.5 mm
A	39.3 mm
H	84.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Special sat.	None

Geometry - Navigator**Geometry - Tim Planning Suite**

Set-n-Go Protocol	On
Table position	H
Table position	84 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
Table position	H
Table position	84 mm
MSMA	S - C - T

System - Miscellaneous

Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect

System - Adjustments

B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	On
Only after freq. change	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L2.5 A39.3 H84.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	390 mm
R >> L	430 mm
F >> H	275 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.694710 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	7370 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	3-Scan Trace
Diff. directions	3
Diffusion Scheme	Monopolar
Diff. weightings	3
b-value 1	50 s/mm ²
b-value 2	600 s/mm ²
b-value 3	900 s/mm ²
b-value 1	2
b-value 2	5
b-value 3	6
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
FA maps	Off
Mosaic	Off
Tensor	Off
Noise level	3

Diff - Body

Diffusion mode	3-Scan Trace
Diff. directions	3
Diffusion Scheme	Monopolar
Diff. weightings	3
b-value 1	50 s/mm ²
b-value 2	600 s/mm ²
b-value 3	900 s/mm ²
b-value 1	2
b-value 2	5
b-value 3	6
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
FA maps	Off
Invert Gray Scale	Off
Calculated Image	Off
b-Value >=	50 s/mm ²
Noise level	3

Diff - Composing

Inline Composing	On
Composing Function	Diffusion
Normalize	Off
Series Description	COMBO
Distortion Corr.	On
Mode	2D

Sequence - Part 1

Introduction	Off
Optimization	Min. TE
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.5 ms
Bandwidth	2298 Hz/Px

Sequence - Part 2

EPI factor	116
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Exports\WBMR with TimCT\WBMR with TimCT\ep2d_diff_stir_b50_600_900_tra_p2

TA: 4:55 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 2/4

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	55
Dist. factor	0 %
Position	L2.5 A39.3 F181.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
TR	7370 ms
TE	66.0 ms
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1,2;NE1,2;SP1,2

Contrast - Common

TR	7370 ms
TE	66.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	180 ms
IR scheme	Sequential
Fat suppr.	None

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Delay in TR	0 ms

Resolution - Common

FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
Base resolution	128
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32

Resolution - iPAT

Reference scan mode	GRE/separate
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Resolution - Filter Image

Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Dynamic Field Corr.	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	55
Dist. factor	0 %
Position	L2.5 A39.3 F181.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
TR	7370 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L2.5 A39.3 F181.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 A36.8 H96.3
L	0.0 mm
A	36.8 mm
F	96.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Special sat.	None

Geometry - Navigator**Geometry - Tim Planning Suite**

Set-n-Go Protocol	On
Table position	F
Table position	181 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	181 mm
MSMA	S - C - T

System - Miscellaneous

Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect

System - Adjustments

B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	On
Only after freq. change	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L2.5 A39.3 F181.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	390 mm
R >> L	430 mm
F >> H	275 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.694710 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	7370 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	3-Scan Trace
Diff. directions	3
Diffusion Scheme	Monopolar
Diff. weightings	3
b-value 1	50 s/mm ²
b-value 2	600 s/mm ²
b-value 3	900 s/mm ²
b-value 1	2
b-value 2	5
b-value 3	6
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
FA maps	Off
Mosaic	Off
Tensor	Off
Noise level	3

Diff - Body

Diffusion mode	3-Scan Trace
Diff. directions	3
Diffusion Scheme	Monopolar
Diff. weightings	3
b-value 1	50 s/mm ²
b-value 2	600 s/mm ²
b-value 3	900 s/mm ²
b-value 1	2
b-value 2	5
b-value 3	6
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
FA maps	Off
Invert Gray Scale	Off
Calculated Image	Off
b-Value >=	50 s/mm ²
Noise level	3

Diff - Composing

Inline Composing	On
Composing Function	Diffusion
Normalize	Off
Series Description	COMBO
Distortion Corr.	On
Mode	2D

Sequence - Part 1

Introduction	Off
Optimization	Min. TE
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.5 ms
Bandwidth	2298 Hz/Px

Sequence - Part 2

EPI factor	116
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Exports\WBMR with TimCT\WBMR with TimCT\ep2d_diff_stir_b50_600_900_tra_p2

TA: 4:55 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 3/4

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	55
Dist. factor	0 %
Position	L2.5 A39.3 F446.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
TR	7370 ms
TE	66.0 ms
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1;BO2,3;SP3,4

Contrast - Common

TR	7370 ms
TE	66.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	180 ms
IR scheme	Sequential
Fat suppr.	None

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Delay in TR	0 ms

Resolution - Common

FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
Base resolution	128
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32

Resolution - iPAT

Reference scan mode	GRE/separate
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Resolution - Filter Image

Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Dynamic Field Corr.	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	55
Dist. factor	0 %
Position	L2.5 A39.3 F446.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
TR	7370 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L2.5 A39.3 F446.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 A36.8 H96.3
L	0.0 mm
A	36.8 mm
F	96.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Special sat.	None

Geometry - Navigator**Geometry - Tim Planning Suite**

Set-n-Go Protocol	On
Table position	F
Table position	446 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	446 mm
MSMA	S - C - T

System - Miscellaneous

Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect

System - Adjustments

B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	On
Only after freq. change	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L2.5 A39.3 F446.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	390 mm
R >> L	430 mm
F >> H	275 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.694710 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	7370 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	3-Scan Trace
Diff. directions	3
Diffusion Scheme	Monopolar
Diff. weightings	3
b-value 1	50 s/mm ²
b-value 2	600 s/mm ²
b-value 3	900 s/mm ²
b-value 1	2
b-value 2	5
b-value 3	6
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
FA maps	Off
Mosaic	Off
Tensor	Off
Noise level	3

Diff - Body

Diffusion mode	3-Scan Trace
Diff. directions	3
Diffusion Scheme	Monopolar
Diff. weightings	3
b-value 1	50 s/mm ²
b-value 2	600 s/mm ²
b-value 3	900 s/mm ²
b-value 1	2
b-value 2	5
b-value 3	6
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
FA maps	Off
Invert Gray Scale	Off
Calculated Image	Off
b-Value >=	50 s/mm ²
Noise level	3

Diff - Composing

Inline Composing	On
Composing Function	Diffusion
Normalize	Off
Series Description	COMBO
Distortion Corr.	On
Mode	2D

Sequence - Part 1

Introduction	Off
Optimization	Min. TE
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.5 ms
Bandwidth	2298 Hz/Px

Sequence - Part 2

EPI factor	116
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Exports\WBMR with TimCT\WBMR with TimCT\ep2d_diff_stir_b50_600_900_tra_p2

TA: 4:55 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 4/4

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	55
Dist. factor	0 %
Position	L2.5 A39.3 F711.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
TR	7370 ms
TE	66.0 ms
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1-3;SP4-6

Contrast - Common

TR	7370 ms
TE	66.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
T1	180 ms
IR scheme	Sequential
Fat suppr.	None

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Delay in TR	0 ms

Resolution - Common

FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
Base resolution	128
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32

Resolution - iPAT

Reference scan mode	GRE/separate
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Resolution - Filter Image

Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Dynamic Field Corr.	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	55
Dist. factor	0 %
Position	L2.5 A39.3 F711.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	90.6 %
Slice thickness	5.0 mm
TR	7370 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L2.5 A39.3 F711.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 A36.8 H96.3
L	0.0 mm
A	36.8 mm
F	96.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Special sat.	None

Geometry - Navigator**Geometry - Tim Planning Suite**

Set-n-Go Protocol	On
Table position	F
Table position	711 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	711 mm
MSMA	S - C - T

System - Miscellaneous

Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect

System - Adjustments

B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	On
Only after freq. change	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	L2.5 A39.3 F711.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	390 mm
R >> L	430 mm
F >> H	275 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.694710 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	7370 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	3-Scan Trace
Diff. directions	3
Diffusion Scheme	Monopolar
Diff. weightings	3
b-value 1	50 s/mm ²
b-value 2	600 s/mm ²
b-value 3	900 s/mm ²
b-value 1	2
b-value 2	5
b-value 3	6
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
FA maps	Off
Mosaic	Off
Tensor	Off
Noise level	3

Diff - Body

Diffusion mode	3-Scan Trace
Diff. directions	3
Diffusion Scheme	Monopolar
Diff. weightings	3
b-value 1	50 s/mm ²
b-value 2	600 s/mm ²
b-value 3	900 s/mm ²
b-value 1	2
b-value 2	5
b-value 3	6
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
FA maps	Off
Invert Gray Scale	Off
Calculated Image	Off
b-Value >=	50 s/mm ²
Noise level	3

Diff - Composing

Inline Composing	On
Composing Function	Diffusion
Normalize	Off
Series Description	COMBO
Distortion Corr.	On
Mode	2D

Sequence - Part 1

Introduction	Off
Optimization	Min. TE
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.5 ms
Bandwidth	2298 Hz/Px

Sequence - Part 2

EPI factor	116
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Exports\WBMR with TimCT\WBMR with TimCT\t1_vibe_dixon_cor_caipi5_bh

TA: 0:19 PM: ISO Voxel size: 1.6×1.6×2.0 mmPAT: 5 Rel. SNR: 1.00 : fl | Substep: 1/3

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	On
Auto close inline display	On
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L6.0 A21.0 H0.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	15 %
Slice oversampling	22.2 %
Slices per slab	144
FoV read	450 mm
FoV phase	94.4 %
Slice thickness	2.0 mm
TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1;HE1-4;NE1,2;SP1,2

Contrast - Common

TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	21.0 deg
Fat suppr.	None
Water suppr.	None
Dixon	On

Contrast - Dynamic

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

Resolution - Common

FoV read	450 mm
FoV phase	94.4 %
Slice thickness	2.0 mm
Base resolution	288
Phase resolution	90 %
Slice resolution	50 %
Phase partial Fourier	6/8

Resolution - Common

Slice partial Fourier	5/8
Trajectory	Cartesian
View sharing	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	1
Ref. lines PE	24
Accel. factor 3D	5
Ref. lines 3D	25
Reordering Shift 3D	2
Reference scan mode	GRE/separate
CAIPIRINHA mode	Body Cor
Total PAT factor	5

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
POCS	Off

Geometry - Common

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L6.0 A21.0 H0.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
Slice oversampling	22.2 %
Slices per slab	144
FoV read	450 mm
FoV phase	94.4 %
Slice thickness	2.0 mm
TR	6.64 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L6.0 A21.0 H0.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	L6.0 A21.0 H0.0
L	6.0 mm
A	21.0 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Coronal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	H
Table position	0 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

Position	L6.0 A21.0 H0.0 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	425 mm
F >> H	450 mm
A >> P	288 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.694710 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	21.0 deg
Measurements	1
Burn time-to-center	Off
Temporal interpolation	1

Inline - Common

3D centric reordering	Off
Time to center	6.5 s

Inline - Inline

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	On
Composing Function	Adaptive
Normalize	Off
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	21.0 deg
Measurements	1
Contrasts	2
TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	2
Readout mode	Bipolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	580 Hz/Px
Bandwidth 2	580 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel. PE
RF spoiling	On
Incr. Gradient spoiling	On

Sequence - Assistant

Mode	Off
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\\USER\Exports\WBMR with TimCT\WBMR with TimCT\t1_vibe_dixon_cor_caipi5_bh

TA: 0:19 PM: ISO Voxel size: 1.6×1.6×2.0 mmPAT: 5 Rel. SNR: 1.00 : fl | Substep: 2/3

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	On
Auto close inline display	On
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L6.0 A21.0 F350.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	15 %
Slice oversampling	22.2 %
Slices per slab	144
FoV read	450 mm
FoV phase	94.4 %
Slice thickness	2.0 mm
TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1;BO1-3;SP1-4

Contrast - Common

TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	21.0 deg
Fat suppr.	None
Water suppr.	None
Dixon	On

Contrast - Dynamic

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

Resolution - Common

FoV read	450 mm
FoV phase	94.4 %
Slice thickness	2.0 mm
Base resolution	288
Phase resolution	90 %
Slice resolution	50 %
Phase partial Fourier	6/8

Resolution - Common

Slice partial Fourier	5/8
Trajectory	Cartesian
View sharing	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	1
Ref. lines PE	24
Accel. factor 3D	5
Ref. lines 3D	25
Reordering Shift 3D	2
Reference scan mode	GRE/separate
CAIPIRINHA mode	Body Cor
Total PAT factor	5

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
POCS	Off

Geometry - Common

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L6.0 A21.0 F350.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
Slice oversampling	22.2 %
Slices per slab	144
FoV read	450 mm
FoV phase	94.4 %
Slice thickness	2.0 mm
TR	6.64 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L6.0 A21.0 F350.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	350 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	350 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Performance
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect

System - Adjustments

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

System - Adjust Volume

Position	L6.0 A21.0 F350.0 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	425 mm
F >> H	450 mm
A >> P	288 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.694710 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	21.0 deg
Measurements	1
Burn time-to-center	Off
Temporal interpolation	1

Inline - Common

3D centric reordering	Off
Time to center	6.5 s

Inline - Inline

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	On
Composing Function	Adaptive
Normalize	Off
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	21.0 deg
Measurements	1
Contrasts	2
TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	2
Readout mode	Bipolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	580 Hz/Px
Bandwidth 2	580 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel. PE
RF spoiling	On
Incr. Gradient spoiling	On

Sequence - Assistant

Mode	Off
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\\USER\Exports\WBMR with TimCT\WBMR with TimCT\t1_vibe_dixon_cor_caipi5_bh

TA: 0:19 PM: ISO Voxel size: 1.6×1.6×2.0 mmPAT: 5 Rel. SNR: 1.00 : fl | Substep: 3/3

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	On
Auto close inline display	On
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L6.0 A21.0 F700.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	15 %
Slice oversampling	22.2 %
Slices per slab	144
FoV read	450 mm
FoV phase	94.4 %
Slice thickness	2.0 mm
TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1-3;SP4-7

Contrast - Common

TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	21.0 deg
Fat suppr.	None
Water suppr.	None
Dixon	On

Contrast - Dynamic

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

Resolution - Common

FoV read	450 mm
FoV phase	94.4 %
Slice thickness	2.0 mm
Base resolution	288
Phase resolution	90 %
Slice resolution	50 %
Phase partial Fourier	6/8

Resolution - Common

Slice partial Fourier	5/8
Trajectory	Cartesian
View sharing	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	1
Ref. lines PE	24
Accel. factor 3D	5
Ref. lines 3D	25
Reordering Shift 3D	2
Reference scan mode	GRE/separate
CAIPIRINHA mode	Body Cor
Total PAT factor	5

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
POCS	Off

Geometry - Common

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L6.0 A21.0 F700.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
Slice oversampling	22.2 %
Slices per slab	144
FoV read	450 mm
FoV phase	94.4 %
Slice thickness	2.0 mm
TR	6.64 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L6.0 A21.0 F700.0 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	700 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	700 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Performance
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect

System - Adjustments

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

System - Adjust Volume

Position	L6.0 A21.0 F700.0 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	425 mm
F >> H	450 mm
A >> P	288 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.694710 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	21.0 deg
Measurements	1
Burn time-to-center	Off
Temporal interpolation	1

Inline - Common

3D centric reordering	Off
Time to center	6.5 s

Inline - Inline

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	On
Composing Function	Adaptive
Normalize	Off
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	21.0 deg
Measurements	1
Contrasts	2
TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	2
Readout mode	Bipolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	580 Hz/Px
Bandwidth 2	580 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel. PE
RF spoiling	On
Incr. Gradient spoiling	On

Sequence - Assistant

Mode	Off
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\\USER\Exports\WBMR with TimCT\WBMR with TimCT\t2_haste_tra_p3_ct

TA: 3:44 PM: ISO Voxel size: 1.7×1.7×5.0 mmRel. SNR: 1.00 : hct

Properties

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

Contrast - Dynamic

Pause after meas. 13	0.0 s
Multiple series	Off

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	88 %
Phase partial Fourier	7/8
Interpolation	Off

Routine

Slice group	1
Slices	16
Dist. factor	0 %
Position	L5.3 A42.0 H166.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
TR	1000.0 ms
TE	81 ms
Averages	1
Concatenations	4
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	HE4;NE2;SP1

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	30
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Contrast - Common

TR	1000.0 ms
TE	81 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Geometry - Common

Slice group	1
Slices	16
Dist. factor	0 %
Position	L5.3 A42.0 H166.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
TR	1000.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	4

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	14
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Geometry - AutoAlign

Slice group	1
Position	L5.3 A42.0 H166.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L5.3 A42.0 H166.5
L	5.3 mm
A	42.0 mm
H	166.5 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Special sat.	Parallel F/H
Gap	20 mm
Thickness	60 mm

Geometry - Navigator**Geometry - Tim Planning Suite**

Set-n-Go Protocol	Off
Table position	H
Table position	249 mm
Inline Composing	Off

Geometry - Tim CT

Tim CT mode	On
Range start	H
Range start	204 mm
Total FoV	H >> F
Total FoV	1035 mm
Slices	16
Slice thickness	5.0 mm
Dist. factor	0 %
FoV read	430 mm
FoV phase	81.3 %
Table Speed	5 mm/s

System - Miscellaneous

Positioning mode	ISO
Table position	H
Table position	249 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	Off - All

System - Adjustments

B0 Shim mode	Standard
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Tx/Rx

Frequency 1H	63.694710 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	4

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	88 %

Physio - PACE

Resp. control	Off
Concatenations	4

Inline - Common

Subtract	Off
Measurements	14
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	2D
Unfiltered images	Off

Sequence - Part 1

Introduction	Off
Dimension	2D
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	4.04 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	183

Sequence - Assistant

Mode	Min flip angle
Min flip angle	140 deg
Allowed delay	30 s