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\\RMH Aera

Whole Body

Clinical whole body

routine clinical

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Myeloma protocol

haste_localizer_I-II
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\haste_localizer_I-II *

TA: 0:15 PM: ISO Voxel size: 1.9×1.9×6.0 mmPAT: Off Rel. SNR: 1.00 : h | 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	On
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	4
Dist. factor	100 %
Position	L0.0 P45.1 F156.2 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	5
Dist. factor	300 %
Position	L0.0 P53.5 F167.9 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	480 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
TE	101 ms
Averages	1
Concatenations	7
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	HE4;NE2;SP1-6

Contrast - Common

TR	1500.0 ms
TE	101 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	145 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	480 mm
FoV phase	100.0 %

Resolution - Common

Slice thickness	6.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	5/8
Interpolation	Off

Resolution - iPAT

PAT mode	None
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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	4
Dist. factor	100 %
Position	L0.0 P45.1 F156.2 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	5
Dist. factor	300 %
Position	L0.0 P53.5 F167.9 mm
Orientation	Coronal
Phase enc. dir.	R >> L
FoV read	480 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	7

Geometry - AutoAlign

Slice group	1
Position	L0.0 P45.1 F156.2 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	L0.0 P53.5 F167.9 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
Restore magn.	Off
Special sat.	None

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

Set-n-Go Protocol	On
Table position	F
Table position	162 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	162 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	63.531532 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	1500.0 ms
Concatenations	7

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	480 mm
FoV phase	100.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	7

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
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	4.8 ms
Bandwidth	407 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Normal
Turbo factor	256

Sequence - Assistant

Mode	Off
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\haste_localizer_I-II *

TA: 0:15 PM: ISO Voxel size: 1.9×1.9×6.0 mmPAT: Off Rel. SNR: 1.00 : h | 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	On
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	4
Dist. factor	100 %
Position	L0.0 P44.2 F606.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	5
Dist. factor	300 %
Position	L0.0 P58.8 F608.5 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	480 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
TE	102 ms
Averages	1
Concatenations	7
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	SP1-4

Contrast - Common

TR	1500.0 ms
TE	102 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	135 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	480 mm
FoV phase	100.0 %

Resolution - Common

Slice thickness	6.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	5/8
Interpolation	Off

Resolution - iPAT

PAT mode	None
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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	4
Dist. factor	100 %
Position	L0.0 P44.2 F606.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	5
Dist. factor	300 %
Position	L0.0 P58.8 F608.5 mm
Orientation	Coronal
Phase enc. dir.	R >> L
FoV read	480 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	7

Geometry - AutoAlign

Slice group	1
Position	L0.0 P44.2 F606.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	L0.0 P58.8 F608.5 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
Restore magn.	Off
Special sat.	None

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

Set-n-Go Protocol	On
Table position	F
Table position	607 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	607 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	63.531532 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	1500.0 ms
Concatenations	7

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	480 mm
FoV phase	100.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	7

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
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	4.86 ms
Bandwidth	399 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Normal
Turbo factor	256

Sequence - Assistant

Mode	Off
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_wbdwi_3b_ac3_3_5_IR_5MM *

TA: 6:25 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir

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	40
Dist. factor	0 %
Position	R5.2 A12.4 F649.1 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	10700 ms
TE	69.0 ms
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D)
Coil elements	BO1-3;SP4-6

Contrast - Common

TR	10700 ms
TE	69.0 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	81.3 %
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	30

Resolution - iPAT

Reference scan mode	EPI/separate
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Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	R5.2 A12.4 F649.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
TR	10700 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R5.2 A12.4 F649.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
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
Special sat.	None

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

Set-n-Go Protocol	Off
Table position	F
Table position	649 mm
Inline Composing	Off

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	649 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P

System - Miscellaneous

Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	Default

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	R5.2 A12.4 F649.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	4.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	10700 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	3-Scan Trace
Diff. directions	3
Diffusion Scheme	Bipolar
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	3
b-value 2	3
b-value 3	5
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	3-Scan Trace
Diff. directions	3
Diffusion Scheme	Bipolar

Diff - Body

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	3
b-value 2	3
b-value 3	5
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	Off
b-Value >=	0 s/mm ²
Noise level	0

Diff - Composing

Inline Composing	Off
Distortion Corr.	On
Mode	2D

Sequence - Part 1

Introduction	Off
Optimization	Min. TE
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.58 ms
Bandwidth	1954 Hz/Px

Sequence - Part 2

EPI factor	104
RF pulse type	Normal
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\fl3d_CAIPi_wb_tra_BH_14 *

TA: 0:16 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 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	On
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	R5.2 A12.4 F649.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
TR	7.63 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;SP4-6

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	14.0 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	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	75 %
Slice resolution	100 %
Phase partial Fourier	Off

Resolution - Common

Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

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	R5.2 A12.4 F649.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R5.2 A12.4 F649.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
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	Off
Table position	F
Table position	649 mm
Inline Composing	Off

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	649 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	Default

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	R5.2 A12.4 F649.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	4.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	14.0 deg
Measurements	1
Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	8.9 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	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	14.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Strong
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

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

Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_tra_mbh *

TA: 0:42 PM: ISO Voxel size: 1.3×1.3×5.0 mmPAT: 2 Rel. SNR: 1.00 : h

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	40
Dist. factor	0 %
Position	R13.8 P4.9 F200.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	68.8 %
Slice thickness	5.0 mm
TR	1000.0 ms
TE	88 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1;NE1,2;PA2,3;SP1,2

Contrast - Common

TR	1000.0 ms
TE	88 ms
MTC	Off
Magn. preparation	None
Flip angle	170 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	430 mm
FoV phase	68.8 %
Slice thickness	5.0 mm
Base resolution	320
Phase resolution	75 %
Phase partial Fourier	5/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	42
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	40
Dist. factor	0 %
Position	R13.8 P4.9 F200.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	68.8 %
Slice thickness	5.0 mm
TR	1000.0 ms
Multi-slice mode	Single shot
Series	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	R13.8 P4.9 F200.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R13.8 P4.9 F200.0
R	13.8 mm
P	4.9 mm
F	200.0 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	10 mm
Thickness	60 mm

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

Set-n-Go Protocol	Off
Table position	F

Geometry - Tim Planning Suite

Table position	200 mm
Inline Composing	Off

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	200 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	Default

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	R13.8 P4.9 F200.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	296 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	4.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	68.8 %
Phase resolution	75 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

Inline - Common

Subtract	Off
Measurements	1

Inline - Common

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	On
Dimension	2D
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	4.2 ms
Bandwidth	473 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	165

Sequence - Assistant

Mode	Min flip angle
Min flip angle	150 deg
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t2_tse_sag_p2_COMPOSED *

TA: 1:14 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tseR_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	17
Dist. factor	10 %
Position	R6.4 A8.1 F105.2 mm
Orientation	S > T0.4
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
TE	97.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;HE3,4;NE1,2;SP1,2

Contrast - Common

TR	3790.0 ms
TE	97.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	448
Phase resolution	80 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	R6.4 A8.1 F105.2 mm
Orientation	S > T0.4
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R6.4 A8.1 F105.2 mm
Orientation	S > T0.4
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	R6.4 A8.1 F105.2
R	6.4 mm
A	8.1 mm
F	105.2 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	0.4
> C	0.0

Geometry - Saturation

Sat. region	1
Thickness	80 mm
Position	L0.0 A106.6 F6.0 mm
Orientation	C > T-3.2
Shape	Standard
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	105 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	105 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	Default

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	63.531532 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	3790.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	80 %
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	9.66 ms
Bandwidth	203 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	18
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	21

Sequence - Assistant

Mode	TR
Max. TR	4500.0 ms
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t2_tse_sag_p2_COMPOSED *

TA: 1:14 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tseR_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	17
Dist. factor	10 %
Position	L4.0 A8.2 F427.3 mm
Orientation	S > T6.4
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
TE	97.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1-3;BO1,2;SP2-5

Contrast - Common

TR	3790.0 ms
TE	97.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	448
Phase resolution	80 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	L4.0 A8.2 F427.3 mm
Orientation	S > T6.4
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L4.0 A8.2 F427.3 mm
Orientation	S > T6.4
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

Sat. region	1
Thickness	80 mm
Position	L0.0 P0.9 F0.2 mm
Orientation	C > T10.7
Shape	Standard
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	427 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	427 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	Default

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	63.531532 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	3790.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	80 %
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	9.66 ms
Bandwidth	203 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	18
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	21

Sequence - Assistant

Mode	TR
Max. TR	4500.0 ms
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t1_tse_sag_p2_COMPOSED *

TA: 1:06 PM: ISO Voxel size: 1.1×1.1×4.0 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	17
Dist. factor	10 %
Position	R6.4 A8.1 F105.2 mm
Orientation	S > T0.4
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
TE	8.7 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;HE3,4;NE1,2;SP1,2

Contrast - Common

TR	643.0 ms
TE	8.7 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	384
Phase resolution	75 %
Phase partial Fourier	Off
Trajectory	Cartesian
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	R6.4 A8.1 F105.2 mm
Orientation	S > T0.4
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R6.4 A8.1 F105.2 mm
Orientation	S > T0.4
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	R6.4 A8.1 F105.2
R	6.4 mm
A	8.1 mm
F	105.2 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	0.4
> C	0.0

Geometry - Saturation

Sat. region	1
Thickness	80 mm
Position	L0.0 A106.6 F6.0 mm
Orientation	C > T-3.2
Shape	Standard
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	105 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	105 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	Default

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	63.531532 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	643.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	75 %
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.	No
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	8.72 ms
Bandwidth	224 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	100
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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t1_tse_sag_p2_COMPOSED *

TA: 1:06 PM: ISO Voxel size: 1.1×1.1×4.0 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	17
Dist. factor	10 %
Position	L4.0 A8.2 F427.3 mm
Orientation	S > T6.4
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
TE	8.7 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1-3;BO1,2;SP2-5

Contrast - Common

TR	643.0 ms
TE	8.7 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	384
Phase resolution	75 %
Phase partial Fourier	Off
Trajectory	Cartesian
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	L4.0 A8.2 F427.3 mm
Orientation	S > T6.4
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L4.0 A8.2 F427.3 mm
Orientation	S > T6.4
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

Sat. region	1
Thickness	80 mm
Position	L0.0 P0.9 F0.2 mm
Orientation	C > T10.7
Shape	Standard
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	427 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	427 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	Default

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	63.531532 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	643.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	75 %
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.	No
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	8.72 ms
Bandwidth	224 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	100
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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_wbdwi_3b_ac1_1_1_IR_5MM_mat
tB_multi *

TA: 2:32 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : epi

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	40
Dist. factor	0 %
Position	R5.2 P25.6 F680.4 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	12700 ms
TE	79.0 ms
Averages	1
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D)
Coil elements	BO1-3;BO3;SP4-6

Contrast - Common

TR	12700 ms
TE	79.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	180 ms
IR scheme	Sequential
Fat suppr.	None

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
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	30
Reference scan mode	EPI/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	R5.2 P25.6 F680.4 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
TR	12700 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R5.2 P25.6 F680.4 mm
Orientation	Transversal
Phase enc. dir.	A >> P
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
Special sat.	None

Geometry - Navigator

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table position	F
Table position	680 mm
Inline Composing	Off

System - Miscellaneous

Positioning mode	ISO
Table position	F

System - Miscellaneous

Table position	680 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	Default

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	R5.2 P25.6 F680.4 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	4.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	12700 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	Orthogonal
Diff. directions	3
Diffusion Scheme	Bipolar
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	1
b-value 2	1
b-value 3	1
Diff. weighted images	On
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	Orthogonal
Diff. directions	3
Diffusion Scheme	Bipolar
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	1
b-value 2	1
b-value 3	1
Diff. weighted images	On
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	Off
b-Value >=	0 s/mm ²
Noise level	0

Diff - Composing

Inline Composing	Off
Distortion Corr.	On
Mode	2D

Sequence - Part 1

Introduction	Off
Optimization	Min. TE
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.58 ms
Bandwidth	1954 Hz/Px

Sequence - Part 2

EPI factor	104
RF pulse type	Normal
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\headneck_localizer *

TA: 9.0 s PM: ISO Voxel size: 1.4×1.4×6.0 mmPAT: 2 Rel. SNR: 1.00 : h

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

Routine

Slice group	1
Slices	3
Dist. factor	100 %
Position	L0.0 P25.0 H50.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Slices	1
Dist. factor	50 %
Position	R100.0 P0.0 H50.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Slices	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	70 %
FoV read	450 mm
FoV phase	75.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
TE	86 ms
Averages	1
Concatenations	3
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	HE1-4;NE1,2;SP1

Contrast - Common

TR	1500.0 ms
TE	86 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1

Contrast - Dynamic

Multiple series	Off
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Resolution - Common

FoV read	450 mm
FoV phase	75.0 %
Slice thickness	6.0 mm
Base resolution	320
Phase resolution	80 %
Phase partial Fourier	5/8
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	3
Dist. factor	100 %
Position	L0.0 P25.0 H50.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Slices	1
Dist. factor	50 %
Position	R100.0 P0.0 H50.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Slices	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
FoV read	450 mm
FoV phase	75.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	3

Geometry - AutoAlign

Slice group	1
-------------	---

Geometry - AutoAlign

Position	L0.0 P25.0 H50.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Position	R100.0 P0.0 H50.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	L0.0 P25.0 H50.0
L	0.0 mm
P	25.0 mm
H	50.0 mm
Initial Rotation	90.00 deg
Initial Orientation	Coronal

Geometry - Saturation

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

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

Set-n-Go Protocol	Off
Table position	H
Table position	50 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive
Composing Group	1
Last Step	Off

System - Miscellaneous

Positioning mode	ISO
Table position	H
Table position	50 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
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - 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

System - Adjust Volume

A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 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	1500.0 ms
Concatenations	3

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	450 mm
FoV phase	75.0 %
Phase resolution	80 %

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	Adaptive
Composing Group	1
Last Step	Off
Normalize	Off
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Sequence - Part 1

Introduction	On
Dimension	2D
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	3.6 ms
Bandwidth	710 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Fast
Turbo factor	192

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\tho_localizer *

TA: 0:17 PM: ISO Voxel size: 1.4×1.4×6.0 mmPAT: 2 Rel. SNR: 1.00 : h

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

Routine

Slice group	1
Slices	3
Dist. factor	100 %
Position	L0.0 P25.0 F160.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Slices	1
Dist. factor	50 %
Position	R100.0 P0.0 F160.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Slices	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	4
Slices	5
Dist. factor	150 %
Position	L0.0 P0.0 F280.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	70 %
FoV read	450 mm
FoV phase	75.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
TE	86 ms
Averages	1
Concatenations	3
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1,2;NE1,2;SP1,2

Contrast - Common

TR	1500.0 ms
TE	86 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	450 mm
FoV phase	75.0 %
Slice thickness	6.0 mm
Base resolution	320
Phase resolution	80 %
Phase partial Fourier	5/8
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	3
Dist. factor	100 %
Position	L0.0 P25.0 F160.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Slices	1
Dist. factor	50 %
Position	R100.0 P0.0 F160.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Slices	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	4
Slices	5
Dist. factor	150 %
Position	L0.0 P0.0 F280.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P

Geometry - Common

FoV read	450 mm
FoV phase	75.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	3

Geometry - AutoAlign

Slice group	1
Position	L0.0 P25.0 F160.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Position	R100.0 P0.0 F160.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	4
Position	L0.0 P0.0 F280.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P25.0 F160.0
L	0.0 mm
P	25.0 mm
F	160.0 mm
Initial Rotation	90.00 deg
Initial Orientation	Coronal

Geometry - Saturation

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

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

Set-n-Go Protocol	Off
Table position	F
Table position	160 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive
Composing Group	1
Last Step	Off

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	160 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
Coil Focus	Flat
AutoAlign	---

System - Miscellaneous

Coil Select Mode	On - 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	63.531532 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	1500.0 ms
Concatenations	3

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	450 mm
FoV phase	75.0 %
Phase resolution	80 %

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	Adaptive
Composing Group	1
Last Step	Off
Normalize	Off

Inline - Composing

Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Sequence - Part 1

Introduction	On
Dimension	2D
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	3.6 ms
Bandwidth	710 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Fast
Turbo factor	192

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\abd_localizer *

TA: 0:17 PM: ISO Voxel size: 1.4×1.4×6.0 mmPAT: 2 Rel. SNR: 1.00 : h

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

Routine

Slice group	1
Slices	3
Dist. factor	100 %
Position	L0.0 P25.0 F320.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Slices	1
Dist. factor	50 %
Position	R100.0 P0.0 F320.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Slices	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	4
Slices	5
Dist. factor	150 %
Position	L0.0 P0.0 F250.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	70 %
FoV read	450 mm
FoV phase	81.3 %
Slice thickness	6.0 mm
TR	1500.0 ms
TE	86 ms
Averages	1
Concatenations	3
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1-3;BO1;SP1-4

Contrast - Common

TR	1500.0 ms
TE	86 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	450 mm
FoV phase	81.3 %
Slice thickness	6.0 mm
Base resolution	320
Phase resolution	80 %
Phase partial Fourier	5/8
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	3
Dist. factor	100 %
Position	L0.0 P25.0 F320.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Slices	1
Dist. factor	50 %
Position	R100.0 P0.0 F320.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Slices	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	4
Slices	5
Dist. factor	150 %
Position	L0.0 P0.0 F250.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P

Geometry - Common

FoV read	450 mm
FoV phase	81.3 %
Slice thickness	6.0 mm
TR	1500.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	3

Geometry - AutoAlign

Slice group	1
Position	L0.0 P25.0 F320.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Position	R100.0 P0.0 F320.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	4
Position	L0.0 P0.0 F250.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P25.0 F320.0
L	0.0 mm
P	25.0 mm
F	320.0 mm
Initial Rotation	90.00 deg
Initial Orientation	Coronal

Geometry - Saturation

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

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

Set-n-Go Protocol	Off
Table position	F
Table position	320 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive
Composing Group	1
Last Step	Off

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	320 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
Coil Focus	Flat
AutoAlign	---

System - Miscellaneous

Coil Select Mode	On - 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	63.531532 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	1500.0 ms
Concatenations	3

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	450 mm
FoV phase	81.3 %
Phase resolution	80 %

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	Adaptive
Composing Group	1
Last Step	Off
Normalize	Off

Inline - Composing

Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Sequence - Part 1

Introduction	On
Dimension	2D
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	3.6 ms
Bandwidth	710 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\pelv_localizer *

TA: 9.0 s PM: ISO Voxel size: 1.4×1.4×6.0 mmPAT: 2 Rel. SNR: 1.00 : h

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

Routine

Slice group	1
Slices	3
Dist. factor	100 %
Position	L0.0 P25.0 F620.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Slices	1
Dist. factor	50 %
Position	R100.0 P0.0 F620.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Slices	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	70 %
FoV read	450 mm
FoV phase	81.3 %
Slice thickness	6.0 mm
TR	1500.0 ms
TE	86 ms
Averages	1
Concatenations	3
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO3;BO1-3;PA6;SP3-6

Contrast - Common

TR	1500.0 ms
TE	86 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	160 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1

Contrast - Dynamic

Multiple series	Off
-----------------	-----

Resolution - Common

FoV read	450 mm
FoV phase	81.3 %
Slice thickness	6.0 mm
Base resolution	320
Phase resolution	80 %
Phase partial Fourier	5/8
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	3
Dist. factor	100 %
Position	L0.0 P25.0 F620.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Slices	1
Dist. factor	50 %
Position	R100.0 P0.0 F620.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Slices	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
FoV read	450 mm
FoV phase	81.3 %
Slice thickness	6.0 mm
TR	1500.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	3

Geometry - AutoAlign

Slice group	1
-------------	---

Geometry - AutoAlign

Position	L0.0 P25.0 F620.0 mm
Orientation	Coronal
Phase enc. dir.	F >> H
Slice group	2
Position	R100.0 P0.0 F620.0 mm
Orientation	Sagittal
Phase enc. dir.	H >> F
Slice group	3
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	L0.0 P25.0 F620.0
L	0.0 mm
P	25.0 mm
F	620.0 mm
Initial Rotation	90.00 deg
Initial Orientation	Coronal

Geometry - Saturation

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

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

Set-n-Go Protocol	Off
Table position	F
Table position	620 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive
Composing Group	1
Last Step	On

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	620 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
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - 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

System - Adjust Volume

A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 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	1500.0 ms
Concatenations	3

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	450 mm
FoV phase	81.3 %
Phase resolution	80 %

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	Adaptive
Composing Group	1
Last Step	On
Normalize	Off
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Sequence - Part 1

Introduction	On
Dimension	2D
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	3.6 ms
Bandwidth	710 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_13
4 *

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 1/6

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	40
Dist. factor	0 %
Position	L1.8 P17.1 H25.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	HE3,4;NE1,2

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 H25.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 H25.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L1.8 P17.1 H25.5
L	1.8 mm
P	17.1 mm
H	25.5 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	25 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	H
Table position	25 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
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	L1.8 P17.1 H25.5 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_13
4 *

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 2/6

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	40
Dist. factor	0 %
Position	L1.8 P17.1 F159.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO1,2;NE1,2;SP1,2

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 F159.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 F159.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 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	F
Table position	159 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	159 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	L1.8 P17.1 F159.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_134 *
TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir Substep: 3/6

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	40
Dist. factor	0 %
Position	L1.8 P17.1 F344.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO2,3;SP2,3

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 F344.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 F344.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 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	F
Table position	344 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
------------------	-----

System - Miscellaneous

Table position	F
Table position	344 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	L1.8 P17.1 F344.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_13
4 *

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 4/6

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	40
Dist. factor	0 %
Position	L1.8 P17.1 F529.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO1,2;BO3;SP3-5

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 F529.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 F529.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 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	F
Table position	529 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
------------------	-----

System - Miscellaneous

Table position	F
Table position	529 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	L1.8 P17.1 F529.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_13
4 *

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 5/6

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	40
Dist. factor	0 %
Position	L1.8 P17.1 F714.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO2,3;SP5,6

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 F714.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 F714.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.1 P17.4 H73.9
R	1.1 mm
P	17.4 mm
F	73.9 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	714 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	714 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	L1.8 P17.1 F714.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_13
4 *

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 6/6

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	40
Dist. factor	0 %
Position	L1.8 P17.1 F898.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	HE3,4;NE1,2

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 F898.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 F898.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L1.8 P17.1 H25.5
L	1.8 mm
P	17.1 mm
F	25.5 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	899 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	899 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
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	L1.8 P17.1 F898.5 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\fl3d_CAIPi_wb_tra_BH_20_set_go *

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 1/6

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L1.8 P17.1 H25.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	HE3,4;NE1,2

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	L1.8 P17.1 H25.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L1.8 P17.1 H25.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L1.8 P17.1 H25.5
L	1.8 mm
P	17.1 mm
H	25.5 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	H
Table position	25 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	H
Table position	25 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
AutoAlign	---
Coil Select Mode	Default

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	L1.8 P17.1 H25.5 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1
Burn time-to-center	Off

Inline - Common

Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

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

Sequence - Part 2

Incr. Gradient spoiling	Off
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Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\fl3d_CAIPi_wb_tra_BH_20_set_go *

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 2/6

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L1.8 P17.1 F159.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	BO1,2;NE1,2;SP1,2

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	L1.8 P17.1 F159.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L1.8 P17.1 F159.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	159 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	159 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	Default

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	L1.8 P17.1 F159.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1

Inline - Common

Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - Maplt

Save original images	On
Maplt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.

Sequence - Part 2

RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\fl3d_CAIPi_wb_tra_BH_20_set_go *

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 3/6

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L1.8 P17.1 F344.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	BO2,3;SP2,3

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	L1.8 P17.1 F344.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L1.8 P17.1 F344.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	344 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	344 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	Default

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	L1.8 P17.1 F344.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1

Inline - Common

Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - Maplt

Save original images	On
Maplt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.

Sequence - Part 2

RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\fl3d_CAIPi_wb_tra_BH_20_set_go *

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 4/6

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L1.8 P17.1 F529.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	BO1,2;BO3;SP3-5

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	L1.8 P17.1 F529.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L1.8 P17.1 F529.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	529 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	529 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	Default

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	L1.8 P17.1 F529.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1

Inline - Common

Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - Maplt

Save original images	On
Maplt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.

Sequence - Part 2

RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\fl3d_CAIPi_wb_tra_BH_20_set_go *

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 5/6

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L1.8 P17.1 F714.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	BO2,3;SP5,6

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	L1.8 P17.1 F714.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L1.8 P17.1 F714.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.1 P17.4 H73.9
R	1.1 mm
P	17.4 mm
F	73.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	714 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	714 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	Default

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	L1.8 P17.1 F714.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1

Inline - Common

Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - Maplt

Save original images	On
Maplt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.

Sequence - Part 2

RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\fl3d_CAIPi_wb_tra_BH_20_set_go *

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 6/6

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L1.8 P17.1 F898.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	HE3,4;NE1,2

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	L1.8 P17.1 F898.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L1.8 P17.1 F898.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L1.8 P17.1 H25.5
L	1.8 mm
P	17.1 mm
F	25.5 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	899 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	899 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
AutoAlign	---
Coil Select Mode	Default

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	L1.8 P17.1 F898.5 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1
Burn time-to-center	Off

Inline - Common

Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

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

Sequence - Part 2

Incr. Gradient spoiling	Off
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Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 1/6

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	On
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	40
Dist. factor	0 %
Position	L1.8 P17.1 H25.5 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	HE3,4;NE1,2

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 H25.5 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 H25.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L1.8 P17.1 H25.5
L	1.8 mm
P	17.1 mm
H	25.5 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	On
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Geometry - Tim Planning Suite

Table position	H
Table position	25 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	H
Table position	25 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
AutoAlign	---
Coil Select Mode	Default

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	L1.8 P17.1 H25.5 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 2/6

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	On
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	40
Dist. factor	0 %
Position	L1.8 P17.1 F159.0 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	BO1,2;NE1,2;SP1,2

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 F159.0 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 F159.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 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	On
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Geometry - Tim Planning Suite

Table position	F
Table position	159 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	159 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	Default

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	L1.8 P17.1 F159.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 3/6

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	On
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	40
Dist. factor	0 %
Position	L1.8 P17.1 F344.0 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	BO2,3;SP2,3

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 F344.0 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 F344.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 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	On
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Geometry - Tim Planning Suite

Table position	F
Table position	344 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	344 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	Default

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	L1.8 P17.1 F344.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 4/6

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	On
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	40
Dist. factor	0 %
Position	L1.8 P17.1 F529.0 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	BO1,2;BO3;SP3-5

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 F529.0 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 F529.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 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	On
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Geometry - Tim Planning Suite

Table position	F
Table position	529 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	529 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	Default

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	L1.8 P17.1 F529.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 5/6

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	On
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	40
Dist. factor	0 %
Position	L1.8 P17.1 F714.0 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	BO2,3;SP5,6

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 F714.0 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 F714.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.1 P17.4 H73.9
R	1.1 mm
P	17.4 mm
F	73.9 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	On
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Geometry - Tim Planning Suite

Table position	F
Table position	714 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	714 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	Default

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	L1.8 P17.1 F714.0 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 6/6

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	On
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	40
Dist. factor	0 %
Position	L1.8 P17.1 F898.5 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	HE3,4;NE1,2

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L1.8 P17.1 F898.5 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L1.8 P17.1 F898.5 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L1.8 P17.1 H25.5
L	1.8 mm
P	17.1 mm
F	25.5 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	On
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Geometry - Tim Planning Suite

Table position	F
Table position	899 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	899 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
AutoAlign	---
Coil Select Mode	Default

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	L1.8 P17.1 F898.5 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t2_tse_sag_p2_COMPOSED *

TA: 1:14 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tseR_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	17
Dist. factor	10 %
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
TE	97.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;HE3,4;NE1,2;SP1,2

Contrast - Common

TR	3790.0 ms
TE	97.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	448
Phase resolution	80 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	R6.4 A8.1 F89.5
R	6.4 mm
A	8.1 mm
F	89.5 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	0.7
> C	0.0

Geometry - Saturation

Sat. region	1
Thickness	80 mm
Position	L0.0 A106.6 F6.0 mm
Orientation	C > T-3.2
Shape	Standard
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	89 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	89 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	Default

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	63.531532 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	3790.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	80 %
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	9.66 ms
Bandwidth	203 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	18
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	21

Sequence - Assistant

Mode	TR
Max. TR	4500.0 ms
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t2_tse_sag_p2_COMPOSED *

TA: 1:14 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tseR_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	17
Dist. factor	10 %
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
TE	97.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1-3;BO1,2;SP2-5

Contrast - Common

TR	3790.0 ms
TE	97.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	448
Phase resolution	80 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
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

Sat. region	1
Thickness	80 mm
Position	L0.0 P0.9 F0.2 mm
Orientation	C > T10.7
Shape	Standard
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	417 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	417 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	Default

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	63.531532 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	3790.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	80 %
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	9.66 ms
Bandwidth	203 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	18
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	21

Sequence - Assistant

Mode	TR
Max. TR	4500.0 ms
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t1_tse_sag_p2_COMPOSED *

TA: 1:06 PM: ISO Voxel size: 1.1×1.1×4.0 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	17
Dist. factor	10 %
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
TE	8.7 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;HE3,4;NE1,2;SP1,2

Contrast - Common

TR	643.0 ms
TE	8.7 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	384
Phase resolution	75 %
Phase partial Fourier	Off
Trajectory	Cartesian
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	R6.4 A8.1 F89.5
R	6.4 mm
A	8.1 mm
F	89.5 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	0.7
> C	0.0

Geometry - Saturation

Sat. region	1
Thickness	80 mm
Position	L0.0 A106.6 F6.0 mm
Orientation	C > T-3.2
Shape	Standard
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	89 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	89 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	Default

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	63.531532 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	643.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	75 %
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.	No
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	8.72 ms
Bandwidth	224 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	100
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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t1_tse_sag_p2_COMPOSED *

TA: 1:06 PM: ISO Voxel size: 1.1×1.1×4.0 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	17
Dist. factor	10 %
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
TE	8.7 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1-3;BO1,2;SP2-5

Contrast - Common

TR	643.0 ms
TE	8.7 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	384
Phase resolution	75 %
Phase partial Fourier	Off
Trajectory	Cartesian
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
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

Sat. region	1
Thickness	80 mm
Position	L0.0 P0.9 F0.2 mm
Orientation	C > T10.7
Shape	Standard
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	417 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	417 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	Default

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	63.531532 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	643.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	75 %
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.	No
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	8.72 ms
Bandwidth	224 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	100
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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\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	Off
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	63.531532 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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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t1_starvibe_dixon_tra_430_WB *

TA: 1:34 PM: ISO Voxel size: 1.3×1.3×5.0 mmPAT: Off Rel. SNR: 1.00 : fl | Substep: 1/6

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	HE1-4

Contrast - Common

TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Flip angle	12.0 deg
Fat suppr.	None
Water suppr.	None
Dixon	On

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
Base resolution	320
Radial views	720
Slice resolution	50 %
Slice partial Fourier	7/8

Resolution - Common

Trajectory	Radial
Interpolation	Off

Resolution - iPAT

PAT mode	None
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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	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Phase enc. dir.	R >> L
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	L0.0 A12.0 H121.1
L	0.0 mm
A	12.0 mm
H	121.1 mm
Initial Rotation	90.00 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	H

Geometry - Tim Planning Suite

Table position	121 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	H
Table position	121 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
AutoAlign	---
Coil Select Mode	Default

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	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Rotation	90.00 deg
R >> L	430 mm
A >> P	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Flip angle	12.0 deg
Measurements	1
Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	46.9 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	Weak
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	12.0 deg
Measurements	1
Contrasts	2
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	2
Readout mode	Bipolar
Optimization	None
Multi-slice mode	Sequential
Bandwidth 1	1040 Hz/Px
Bandwidth 2	1040 Hz/Px

Sequence - Part 2

Simulated motion	Off
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Special

Radial view sharing	Off
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Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t1_starvibe_dixon_tra_430_WB *

TA: 1:34 PM: ISO Voxel size: 1.3×1.3×5.0 mmPAT: Off Rel. SNR: 1.00 : fl | Substep: 2/6

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L0.0 A12.0 F62.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	HE3,4;NE1,2;SP1

Contrast - Common

TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Flip angle	12.0 deg
Fat suppr.	None
Water suppr.	None
Dixon	On

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
Base resolution	320
Radial views	720
Slice resolution	50 %
Slice partial Fourier	7/8

Resolution - Common

Trajectory	Radial
Interpolation	Off

Resolution - iPAT

PAT mode	None
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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	L0.0 A12.0 F62.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A12.0 F62.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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

Geometry - Tim Planning Suite

Table position	63 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	63 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	Default

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	L0.0 A12.0 F62.9 mm
Orientation	Transversal
Rotation	90.00 deg
R >> L	430 mm
A >> P	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Flip angle	12.0 deg
Measurements	1
Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	46.9 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	Weak
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	12.0 deg
Measurements	1
Contrasts	2
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	2
Readout mode	Bipolar
Optimization	None
Multi-slice mode	Sequential
Bandwidth 1	1040 Hz/Px
Bandwidth 2	1040 Hz/Px

Sequence - Part 2

Simulated motion	Off
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Special

Radial view sharing	Off
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Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t1_starvibe_dixon_tra_430_WB *

TA: 1:34 PM: ISO Voxel size: 1.3×1.3×5.0 mmPAT: Off Rel. SNR: 1.00 : fl | Substep: 3/6

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L0.0 A12.0 F247.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1,2;SP1-3

Contrast - Common

TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Flip angle	12.0 deg
Fat suppr.	None
Water suppr.	None
Dixon	On

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
Base resolution	320
Radial views	720
Slice resolution	50 %
Slice partial Fourier	7/8

Resolution - Common

Trajectory	Radial
Interpolation	Off

Resolution - iPAT

PAT mode	None
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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	L0.0 A12.0 F247.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A12.0 F247.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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

Geometry - Tim Planning Suite

Table position	248 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	248 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	Default

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	L0.0 A12.0 F247.9 mm
Orientation	Transversal
Rotation	90.00 deg
R >> L	430 mm
A >> P	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Flip angle	12.0 deg
Measurements	1
Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	46.9 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	Weak
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	12.0 deg
Measurements	1
Contrasts	2
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	2
Readout mode	Bipolar
Optimization	None
Multi-slice mode	Sequential
Bandwidth 1	1040 Hz/Px
Bandwidth 2	1040 Hz/Px

Sequence - Part 2

Simulated motion	Off
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Special

Radial view sharing	Off
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Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t1_starvibe_dixon_tra_430_WB *

TA: 1:34 PM: ISO Voxel size: 1.3×1.3×5.0 mmPAT: Off Rel. SNR: 1.00 : fl | Substep: 4/6

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L0.0 A12.0 F432.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO2,3;BO1;SP3,4

Contrast - Common

TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Flip angle	12.0 deg
Fat suppr.	None
Water suppr.	None
Dixon	On

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
Base resolution	320
Radial views	720
Slice resolution	50 %
Slice partial Fourier	7/8

Resolution - Common

Trajectory	Radial
Interpolation	Off

Resolution - iPAT

PAT mode	None
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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	L0.0 A12.0 F432.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A12.0 F432.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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

Geometry - Tim Planning Suite

Table position	433 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	433 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	Default

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	L0.0 A12.0 F432.9 mm
Orientation	Transversal
Rotation	90.00 deg
R >> L	430 mm
A >> P	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Flip angle	12.0 deg
Measurements	1
Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	46.9 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	Weak
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	12.0 deg
Measurements	1
Contrasts	2
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	2
Readout mode	Bipolar
Optimization	None
Multi-slice mode	Sequential
Bandwidth 1	1040 Hz/Px
Bandwidth 2	1040 Hz/Px

Sequence - Part 2

Simulated motion	Off
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Special

Radial view sharing	Off
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Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t1_starvibe_dixon_tra_430_WB *

TA: 1:34 PM: ISO Voxel size: 1.3×1.3×5.0 mmPAT: Off Rel. SNR: 1.00 : fl | Substep: 5/6

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L0.0 A12.0 F617.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO3;BO1,2;SP4,5

Contrast - Common

TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Flip angle	12.0 deg
Fat suppr.	None
Water suppr.	None
Dixon	On

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
Base resolution	320
Radial views	720
Slice resolution	50 %
Slice partial Fourier	7/8

Resolution - Common

Trajectory	Radial
Interpolation	Off

Resolution - iPAT

PAT mode	None
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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	L0.0 A12.0 F617.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A12.0 F617.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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

Geometry - Tim Planning Suite

Table position	618 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	618 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	Default

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	L0.0 A12.0 F617.9 mm
Orientation	Transversal
Rotation	90.00 deg
R >> L	430 mm
A >> P	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Flip angle	12.0 deg
Measurements	1
Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	46.9 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	Weak
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	12.0 deg
Measurements	1
Contrasts	2
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	2
Readout mode	Bipolar
Optimization	None
Multi-slice mode	Sequential
Bandwidth 1	1040 Hz/Px
Bandwidth 2	1040 Hz/Px

Sequence - Part 2

Simulated motion	Off
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Special

Radial view sharing	Off
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Sequence - Assistant

Mode	Off
------	-----

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t1_starvibe_dixon_tra_430_WB *

TA: 1:34 PM: ISO Voxel size: 1.3×1.3×5.0 mmPAT: Off Rel. SNR: 1.00 : fl | Substep: 6/6

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L0.0 A12.0 F802.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO2,3;FL;SP5-7

Contrast - Common

TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms
Flip angle	12.0 deg
Fat suppr.	None
Water suppr.	None
Dixon	On

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
Base resolution	320
Radial views	720
Slice resolution	50 %
Slice partial Fourier	7/8

Resolution - Common

Trajectory	Radial
Interpolation	Off

Resolution - iPAT

PAT mode	None
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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	L0.0 A12.0 F802.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5.91 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 A12.0 F802.9 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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

Geometry - Tim Planning Suite

Table position	803 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	803 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	Default

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	L0.0 A12.0 F802.9 mm
Orientation	Transversal
Rotation	90.00 deg
R >> L	430 mm
A >> P	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Flip angle	12.0 deg
Measurements	1
Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	46.9 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	Weak
Series Description	
Distortion Corr.	On
Mode	2D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	12.0 deg
Measurements	1
Contrasts	2
TR	5.91 ms
TE 1	2.38 ms
TE 2	4.76 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	2
Readout mode	Bipolar
Optimization	None
Multi-slice mode	Sequential
Bandwidth 1	1040 Hz/Px
Bandwidth 2	1040 Hz/Px

Sequence - Part 2

Simulated motion	Off
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Special

Radial view sharing	Off
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Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 1/6

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	On
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	40
Dist. factor	0 %
Position	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Phase enc. dir.	P >> A
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
TR	1000.0 ms
TE	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	HE1-4

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Phase enc. dir.	P >> A
FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
TR	1000.0 ms
Multi-slice mode	Single shot
Series	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Phase enc. dir.	P >> A
AutoAlign	---
Initial Position	L0.0 A12.0 H121.1
L	0.0 mm
A	12.0 mm
H	121.1 mm
Initial Rotation	180.00 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	On
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Geometry - Tim Planning Suite

Table position	H
Table position	121 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	H
Table position	121 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
AutoAlign	---
Coil Select Mode	Default

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	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Rotation	180.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 2/6

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	On
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	40
Dist. factor	0 %
Position	L0.0 A12.0 F62.9 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	HE3,4;NE1,2;SP1

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 F62.9 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 F62.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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	On
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Geometry - Tim Planning Suite

Table position	F
Table position	63 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	63 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	Default

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	L0.0 A12.0 F62.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 3/6

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	On
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	40
Dist. factor	0 %
Position	L0.0 A12.0 F247.9 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	BO1,2;SP1-3

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 F247.9 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 F247.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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	On
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Geometry - Tim Planning Suite

Table position	F
Table position	248 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	248 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	Default

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	L0.0 A12.0 F247.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 4/6

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	On
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	40
Dist. factor	0 %
Position	L0.0 A12.0 F432.9 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	BO2,3;BO1;SP3,4

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 F432.9 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 F432.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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	On
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Geometry - Tim Planning Suite

Table position	F
Table position	433 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	433 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	Default

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	L0.0 A12.0 F432.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 5/6

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	On
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	40
Dist. factor	0 %
Position	L0.0 A12.0 F617.9 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	BO3;BO1,2;SP4,5

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 F617.9 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 F617.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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	On
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Geometry - Tim Planning Suite

Table position	F
Table position	618 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	618 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	Default

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	L0.0 A12.0 F617.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_haste_5mm_tra_p2_6_stack_set_n_go_FB *

TA: 0:43 PM: ISO Voxel size: 1.7×1.7×5.0 mmPAT: 2 Rel. SNR: 1.00 : h | Substep: 6/6

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	On
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	40
Dist. factor	0 %
Position	L0.0 A12.0 F802.9 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	82 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D)
Coil elements	BO2,3;FL;SP5-7

Contrast - Common

TR	1000.0 ms
TE	82 ms
MTC	Off
Magn. preparation	None
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	430 mm
FoV phase	81.3 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
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	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 F802.9 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	Interl. in B.-h.
Concatenations	2

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 F802.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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	On
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Geometry - Tim Planning Suite

Table position	F
Table position	803 mm
Inline Composing	On
Normalize	Weak
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	803 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	Default

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	L0.0 A12.0 F802.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	350 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	2.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	1000.0 ms
Concatenations	2

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	430 mm
FoV phase	81.3 %
Phase resolution	100 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	2

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	Adaptive
Normalize	Weak
Series Description	
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	4.08 ms
Bandwidth	501 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Turbo factor	208

Sequence - Assistant

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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_13
4 *

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 1/6

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	40
Dist. factor	0 %
Position	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	HE1-4

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 A12.0 H121.1
L	0.0 mm
A	12.0 mm
H	121.1 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	121 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	H
Table position	121 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
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	L0.0 A12.0 H121.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_13
4 *

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 2/6

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	40
Dist. factor	0 %
Position	L0.0 A12.0 F62.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	HE3,4;NE1,2;SP1

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 F62.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 F62.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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	63 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	63 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	L0.0 A12.0 F62.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_13 4 *
TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir Substep: 3/6

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	40
Dist. factor	0 %
Position	L0.0 A12.0 F247.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO1,2;SP1-3

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 F247.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 F247.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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	248 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	248 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	L0.0 A12.0 F247.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_13 4 *
TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir Substep: 4/6

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	40
Dist. factor	0 %
Position	L0.0 A12.0 F432.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO2,3;BO1;SP3,4

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 F432.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 F432.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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	433 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	433 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	L0.0 A12.0 F432.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_134 *
TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir Substep: 5/6

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	40
Dist. factor	0 %
Position	L0.0 A12.0 F617.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO3;BO1,2;SP4,5

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 F617.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 F617.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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	618 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	618 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	L0.0 A12.0 F617.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\ep2d_diff_stir_b50_600_900_tra_p2_134 *
TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir Substep: 6/6

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	40
Dist. factor	0 %
Position	L0.0 A12.0 F802.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO2,3;FL;SP5-7

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 A12.0 F802.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L0.0 A12.0 F802.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Rotation	90.00 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	803 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
------------------	-----

System - Miscellaneous

Table position	F
Table position	803 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	L0.0 A12.0 F802.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t1_f12d_opp-in_tra_bh *

TA: 0:23 PM: ISO Voxel size: 1.5×1.5×5.0 mmPAT: 2 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	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	40
Dist. factor	10 %
Position	L7.0 P1.0 F372.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	380 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	323.0 ms
TE 1	2.38 ms
TE 2	4.76 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1-3;SP2-4

Contrast - Common

TR	323.0 ms
TE 1	2.38 ms
TE 2	4.76 ms
MTC	Off
Magn. preparation	None
Flip angle	70 deg
Fat suppr.	None
Water suppr.	None
SWI	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	380 mm
FoV phase	75.0 %
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	40
Dist. factor	10 %
Position	L7.0 P1.0 F372.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	380 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	323.0 ms
Multi-slice mode	Interleaved
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L7.0 P1.0 F372.9 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L7.0 P1.0 F372.9
L	7.0 mm
P	1.0 mm
F	372.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Quick
Fat suppr.	None
Water suppr.	None
Special sat.	Q-parallel F/H
Gap	10.0 mm
Thickness	60 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table position	F
Table position	373 mm
Inline Composing	Off

Geometry - Tim CT

Tim CT mode	Off
Slices	40
Slice thickness	5.0 mm
Dist. factor	10 %
FoV read	380 mm
FoV phase	75.0 %
Segments	1

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	373 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	Default

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	63.531532 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	323.0 ms
Concatenations	1
Segments	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	380 mm
FoV phase	75.0 %
Phase resolution	70 %

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

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

Inline - MIP

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

Inline - Soft Tissue

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

Inline - Composing

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

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	70 deg
Measurements	1
Contrasts	2
TR	323.0 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	1
Acoustic noise reduction	None
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On

Sequence - Assistant

Mode	Off
------	-----

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t2_tse_sag_p2_COMPOSED *

TA: 1:14 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tseR_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	17
Dist. factor	10 %
Position	L2.2 A8.1 F121.4 mm
Orientation	S > T-0.4
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
TE	97.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;HE3,4;NE1,2;SP1,2

Contrast - Common

TR	3790.0 ms
TE	97.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	448
Phase resolution	80 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	L2.2 A8.1 F121.4 mm
Orientation	S > T-0.4
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L2.2 A8.1 F121.4 mm
Orientation	S > T-0.4
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	L2.2 A8.1 F121.4
L	2.2 mm
A	8.1 mm
F	121.4 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	-0.4
> C	0.0

Geometry - Saturation

Sat. region	1
Thickness	80 mm
Position	L0.0 A98.1 F8.0 mm
Orientation	C > T-4.7
Shape	Standard
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	121 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	121 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	Default

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	63.531532 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	3790.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	80 %
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	9.66 ms
Bandwidth	203 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	18
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	21

Sequence - Assistant

Mode	TR
Max. TR	4500.0 ms
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t2_tse_sag_p2_COMPOSED *

TA: 1:14 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tseR_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	17
Dist. factor	10 %
Position	L7.3 A10.8 F497.1 mm
Orientation	S > T-1.3
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
TE	97.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1-3;BO1,2;SP2-5

Contrast - Common

TR	3790.0 ms
TE	97.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	448
Phase resolution	80 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	L7.3 A10.8 F497.1 mm
Orientation	S > T-1.3
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	3790.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L7.3 A10.8 F497.1 mm
Orientation	S > T-1.3
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

Sat. region	1
Thickness	80 mm
Position	L0.0 A68.7 H2.5 mm
Orientation	C > T2.1
Shape	Standard
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	497 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	497 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	Default

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	63.531532 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	3790.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	80 %
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	9.66 ms
Bandwidth	203 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	18
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	21

Sequence - Assistant

Mode	TR
Max. TR	4500.0 ms
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t1_tse_sag_p2_COMPOSED *

TA: 1:06 PM: ISO Voxel size: 1.1×1.1×4.0 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	17
Dist. factor	10 %
Position	L2.2 A8.1 F121.4 mm
Orientation	S > T-0.4
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
TE	8.7 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;HE3,4;NE1,2;SP1,2

Contrast - Common

TR	643.0 ms
TE	8.7 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	384
Phase resolution	75 %
Phase partial Fourier	Off
Trajectory	Cartesian
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	L2.2 A8.1 F121.4 mm
Orientation	S > T-0.4
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L2.2 A8.1 F121.4 mm
Orientation	S > T-0.4
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	L2.2 A8.1 F121.4
L	2.2 mm
A	8.1 mm
F	121.4 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	-0.4
> C	0.0

Geometry - Saturation

Sat. region	1
Thickness	80 mm
Position	L0.0 A98.1 F8.0 mm
Orientation	C > T-4.7
Shape	Standard
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	121 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	121 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	Default

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	63.531532 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	643.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	75 %
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.	No
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	8.72 ms
Bandwidth	224 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	100
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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t1_tse_sag_p2_COMPOSED *

TA: 1:06 PM: ISO Voxel size: 1.1×1.1×4.0 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	17
Dist. factor	10 %
Position	L7.3 A10.8 F497.1 mm
Orientation	S > T-1.3
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
TE	8.7 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1-3;BO1,2;SP2-5

Contrast - Common

TR	643.0 ms
TE	8.7 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	384
Phase resolution	75 %
Phase partial Fourier	Off
Trajectory	Cartesian
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	L7.3 A10.8 F497.1 mm
Orientation	S > T-1.3
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L7.3 A10.8 F497.1 mm
Orientation	S > T-1.3
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

Sat. region	1
Thickness	80 mm
Position	L0.0 A68.7 H2.5 mm
Orientation	C > T2.1
Shape	Standard
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	497 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	497 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	Default

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	63.531532 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	643.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	75 %
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.	No
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	8.72 ms
Bandwidth	224 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	100
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

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\t2_tse_sag_p2_COMPOSED *

TA: 1:18 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tseR_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	10 %
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4020.0 ms
TE	97.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;HE3,4;NE1,2;SP1,2

Contrast - Common

TR	4020.0 ms
TE	97.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	448
Phase resolution	80 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
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	On

Geometry - Common

Slice group	1
Slices	15
Dist. factor	10 %
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4020.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	R6.4 A8.1 F89.5
R	6.4 mm
A	8.1 mm
F	89.5 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	0.7
> C	0.0

Geometry - Saturation

Sat. region	1
Thickness	80 mm
Position	L0.0 A106.6 F6.0 mm
Orientation	C > T-3.2
Shape	Standard
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	89 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	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	89 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	Default

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	63.531532 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	4020.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	80 %
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	9.66 ms
Bandwidth	203 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	18
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	21

Sequence - Assistant

Mode	TR
Max. TR	4500.0 ms
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\routine clinical\I_t2_tse_sag_p2_COMPOSED *

TA: 1:18 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tseR_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	10 %
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4020.0 ms
TE	97.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1-3;BO1,2;SP2-5

Contrast - Common

TR	4020.0 ms
TE	97.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	448
Phase resolution	80 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
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	On

Geometry - Common

Slice group	1
Slices	15
Dist. factor	10 %
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4020.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
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

Sat. region	1
Thickness	80 mm
Position	L0.0 P0.9 F0.2 mm
Orientation	C > T10.7
Shape	Standard
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	417 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	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	417 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	Default

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	63.531532 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	4020.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	80 %
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	9.66 ms
Bandwidth	203 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	18
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	21

Sequence - Assistant

Mode	TR
Max. TR	4500.0 ms
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\haste_localizer_I-II

TA: 0:15 PM: ISO Voxel size: 1.9×1.9×6.0 mmPAT: Off Rel. SNR: 1.00 : h | Substep: 1/3

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

Routine

Slice group	1
Slices	4
Dist. factor	100 %
Position	L0.0 P21.2 F2.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	5
Dist. factor	300 %
Position	L0.0 P29.5 F14.6 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	480 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
TE	101 ms
Averages	1
Concatenations	7
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	HE4;NE2;SP1-6

Contrast - Common

TR	1500.0 ms
TE	101 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	145 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	480 mm
FoV phase	100.0 %

Resolution - Common

Slice thickness	6.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	5/8
Interpolation	Off

Resolution - iPAT

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

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	4
Dist. factor	100 %
Position	L0.0 P21.2 F2.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	5
Dist. factor	300 %
Position	L0.0 P29.5 F14.6 mm
Orientation	Coronal
Phase enc. dir.	R >> L
FoV read	480 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	7

Geometry - AutoAlign

Slice group	1
Position	L0.0 P21.2 F2.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	L0.0 P29.5 F14.6 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P21.2 F2.9
L	0.0 mm
P	21.2 mm
F	2.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

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	9 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	9 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	63.531532 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	1500.0 ms
Concatenations	7

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	480 mm
FoV phase	100.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	7

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
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	4.8 ms
Bandwidth	407 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Normal
Turbo factor	256

Sequence - Assistant

Mode	Off
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\haste_localizer_I-II

TA: 0:15 PM: ISO Voxel size: 1.9×1.9×6.0 mmPAT: Off Rel. SNR: 1.00 : h | Substep: 2/3

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

Routine

Slice group	1
Slices	4
Dist. factor	100 %
Position	L0.0 P20.2 F453.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	5
Dist. factor	300 %
Position	L0.0 P34.9 F455.2 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	480 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
TE	102 ms
Averages	1
Concatenations	7
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	SP1-4

Contrast - Common

TR	1500.0 ms
TE	102 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	135 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	480 mm
FoV phase	100.0 %

Resolution - Common

Slice thickness	6.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	5/8
Interpolation	Off

Resolution - iPAT

PAT mode	None
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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	4
Dist. factor	100 %
Position	L0.0 P20.2 F453.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	5
Dist. factor	300 %
Position	L0.0 P34.9 F455.2 mm
Orientation	Coronal
Phase enc. dir.	R >> L
FoV read	480 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	7

Geometry - AutoAlign

Slice group	1
Position	L0.0 P20.2 F453.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	L0.0 P34.9 F455.2 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
Restore magn.	Off
Special sat.	None

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

Set-n-Go Protocol	On
Table position	F
Table position	454 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	454 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	63.531532 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	1500.0 ms
Concatenations	7

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	480 mm
FoV phase	100.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	7

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
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	4.86 ms
Bandwidth	399 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Normal
Turbo factor	256

Sequence - Assistant

Mode	Off
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\haste_localizer_I-II

TA: 0:15 PM: ISO Voxel size: 1.9×1.9×6.0 mmPAT: Off Rel. SNR: 1.00 : h | Substep: 3/3

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

Routine

Slice group	1
Slices	4
Dist. factor	100 %
Position	L0.0 P20.2 F873.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	5
Dist. factor	300 %
Position	L0.0 P34.9 F875.2 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	480 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
TE	102 ms
Averages	1
Concatenations	7
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	SP3-8

Contrast - Common

TR	1500.0 ms
TE	102 ms
TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	135 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution - Common

FoV read	480 mm
FoV phase	100.0 %

Resolution - Common

Slice thickness	6.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	5/8
Interpolation	Off

Resolution - iPAT

PAT mode	None
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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	4
Dist. factor	100 %
Position	L0.0 P20.2 F873.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	5
Dist. factor	300 %
Position	L0.0 P34.9 F875.2 mm
Orientation	Coronal
Phase enc. dir.	R >> L
FoV read	480 mm
FoV phase	100.0 %
Slice thickness	6.0 mm
TR	1500.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	7

Geometry - AutoAlign

Slice group	1
Position	L0.0 P20.2 F873.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	L0.0 P34.9 F875.2 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
Restore magn.	Off
Special sat.	None

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

Set-n-Go Protocol	On
Table position	F
Table position	874 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	874 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	63.531532 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	1500.0 ms
Concatenations	7

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	480 mm
FoV phase	100.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	7

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
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	4.86 ms
Bandwidth	399 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Normal
Turbo factor	256

Sequence - Assistant

Mode	Off
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\ep2d_diff_stir_b50_600_900_tra_p2_134

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 1/7

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	40
Dist. factor	0 %
Position	R16.8 A2.4 H120.4 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	HE1-4;NE1,2

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	R16.8 A2.4 H120.4 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R16.8 A2.4 H120.4 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R16.8 A2.4 H120.4
R	16.8 mm
A	2.4 mm
H	120.4 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	120 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	H
Table position	120 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
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	R16.8 A2.4 H120.4 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\ep2d_diff_stir_b50_600_900_tra_p2_134

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 2/7

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	40
Dist. factor	0 %
Position	R16.8 A2.4 F64.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO1;HE3,4;NE1,2;SP1

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	R16.8 A2.4 F64.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R16.8 A2.4 F64.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
H	100.0 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	F
Table position	64 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	64 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	R16.8 A2.4 F64.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\ep2d_diff_stir_b50_600_900_tra_p2_134

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 3/7

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	40
Dist. factor	0 %
Position	R16.8 A2.4 F249.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO1-3;SP1-3

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	R16.8 A2.4 F249.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R16.8 A2.4 F249.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 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	F
Table position	249 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	249 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	R16.8 A2.4 F249.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\ep2d_diff_stir_b50_600_900_tra_p2_134

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 4/7

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	40
Dist. factor	0 %
Position	R16.8 A2.4 F434.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO1;BO3;SP3,4

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	R16.8 A2.4 F434.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R16.8 A2.4 F434.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 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	F
Table position	434 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	434 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	R16.8 A2.4 F434.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\ep2d_diff_stir_b50_600_900_tra_p2_134

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 5/7

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	40
Dist. factor	0 %
Position	R16.8 A2.4 F619.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO1-3;SP4,5

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	R16.8 A2.4 F619.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R16.8 A2.4 F619.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.1 P17.4 H73.9
R	1.1 mm
P	17.4 mm
F	73.9 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	619 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	619 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	R16.8 A2.4 F619.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\ep2d_diff_stir_b50_600_900_tra_p2_134

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 6/7

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	40
Dist. factor	0 %
Position	R16.8 A2.4 F804.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	BO3;PA6;SP5-7

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	R16.8 A2.4 F804.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R16.8 A2.4 F804.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.1 P17.4 H73.9
R	1.1 mm
P	17.4 mm
F	73.9 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	804 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	804 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	R16.8 A2.4 F804.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\ep2d_diff_stir_b50_600_900_tra_p2_134

TA: 3:35 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 7/7

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	40
Dist. factor	0 %
Position	R16.8 A2.4 F988.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
TE	64.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D)
Coil elements	PA4-6;SP7,8

Contrast - Common

TR	6150 ms
TE	64.0 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	80.6 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

Accel. mode	GRAPPA
Accel. factor PE	2

Resolution - iPAT

Ref. lines PE	32
Reference scan mode	GRE/separate

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	40
Dist. factor	0 %
Position	R16.8 A2.4 F988.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	80.6 %
Slice thickness	5.0 mm
TR	6150 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R16.8 A2.4 F988.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R16.8 A2.4 H120.4
R	16.8 mm
A	2.4 mm
F	120.4 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	989 mm
Inline Composing	On
Normalize	Off
Composing Function	Diffusion

System - Miscellaneous

Positioning mode	ISO
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System - Miscellaneous

Table position	F
Table position	989 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
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	R16.8 A2.4 F988.6 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	347 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	6150 ms
Concatenations	1

Physio - PACE

Resp. control	Off
Concatenations	1

Diff - Neuro

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Mosaic	Off
Noise level	0

Diff - Body

Diffusion mode	4-Scan Trace
Diff. directions	4
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	2
b-value 3	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	On
Calculated bValue	1050 s/mm ²
b-Value >=	50 s/mm ²
Noise level	0

Diff - Composing

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

Sequence - Part 1

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2332 Hz/Px

Sequence - Part 2

EPI factor	108
RF pulse type	Low SAR
Gradient mode	Fast

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\fl3d_CAIPi_wb_tra_BH_20_set_go

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 1/7

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	R16.8 A2.4 H120.4 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	HE1-4;NE1,2

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	R16.8 A2.4 H120.4 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R16.8 A2.4 H120.4 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R16.8 A2.4 H120.4
R	16.8 mm
A	2.4 mm
H	120.4 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	H
Table position	120 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	H
Table position	120 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
AutoAlign	---
Coil Select Mode	Default

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	R16.8 A2.4 H120.4 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1
Burn time-to-center	Off

Inline - Common

Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

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

Sequence - Part 2

Incr. Gradient spoiling	Off
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Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\fl3d_CAIPi_wb_tra_BH_20_set_go

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 2/7

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	R16.8 A2.4 F64.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	BO1;HE3,4;NE1,2;SP1

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	R16.8 A2.4 F64.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R16.8 A2.4 F64.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
H	100.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	64 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	64 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	Default

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	R16.8 A2.4 F64.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1

Inline - Common

Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - Maplt

Save original images	On
Maplt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.

Sequence - Part 2

RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\fl3d_CAIPi_wb_tra_BH_20_set_go

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 3/7

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	R16.8 A2.4 F249.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	BO1-3;SP1-3

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	R16.8 A2.4 F249.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R16.8 A2.4 F249.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	249 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
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	Default

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	R16.8 A2.4 F249.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1

Inline - Common

Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - Maplt

Save original images	On
Maplt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.

Sequence - Part 2

RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\fl3d_CAIPi_wb_tra_BH_20_set_go

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 4/7

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	R16.8 A2.4 F434.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	BO1;BO3;SP3,4

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	R16.8 A2.4 F434.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R16.8 A2.4 F434.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 H100.0
L	0.0 mm
P	0.0 mm
F	100.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	434 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	434 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	Default

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	R16.8 A2.4 F434.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1

Inline - Common

Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - Maplt

Save original images	On
Maplt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.

Sequence - Part 2

RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\fl3d_CAIPi_wb_tra_BH_20_set_go

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 5/7

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	R16.8 A2.4 F619.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	BO1-3;SP4,5

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	R16.8 A2.4 F619.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R16.8 A2.4 F619.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.1 P17.4 H73.9
R	1.1 mm
P	17.4 mm
F	73.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	619 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	619 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	Default

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	R16.8 A2.4 F619.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	5.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1

Inline - Common

Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - Maplt

Save original images	On
Maplt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.

Sequence - Part 2

RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\fl3d_CAIPi_wb_tra_BH_20_set_go

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 6/7

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	R16.8 A2.4 F804.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	BO3;PA6;SP5-7

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	R16.8 A2.4 F804.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R16.8 A2.4 F804.1 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.1 P17.4 H73.9
R	1.1 mm
P	17.4 mm
F	73.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	804 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	804 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	Default

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	R16.8 A2.4 F804.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1

Inline - Common

Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.

Sequence - Part 2

RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Assistant

Mode	Off
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\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\fl3d_CAIPi_wb_tra_BH_20_set_go

TA: 0:17 PM: ISO Voxel size: 0.8×0.8×5.0 mmPAT: 4 Rel. SNR: 1.00 : fl | Substep: 7/7

Properties

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

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	R16.8 A2.4 F988.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	PA4-6;SP7,8

Contrast - Common

TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip angle	20.0 deg
Fat suppr.	None
Lines Per Shot	48
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	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	85 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	Off
Slice partial Fourier	Off
Trajectory	Cartesian
View sharing	Off
Interpolation	On

Resolution - iPAT

PAT mode	CAIPIRINHA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	2
Ref. lines 3D	24
Reordering Shift 3D	1
Reference scan mode	GRE/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
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	R16.8 A2.4 F988.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice oversampling	20.0 %
Slices per slab	40
FoV read	430 mm
FoV phase	75.0 %
Slice thickness	5.0 mm
TR	7.63 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R16.8 A2.4 F988.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R16.8 A2.4 H120.4
R	16.8 mm
A	2.4 mm
F	120.4 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Dixon	On
Special sat.	Parallel F/H
Gap	10.0 mm
Thickness	50 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table position	F
Table position	989 mm
Inline Composing	On
Normalize	Off
Composing Function	Adaptive

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	989 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	Default

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	R16.8 A2.4 F988.6 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	323 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.531532 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Breath-hold
Concatenations	1

Inline - Common

View sharing	Off
Flip angle	20.0 deg
Measurements	1

Inline - Common

Burn time-to-center	Off
Temporal interpolation	1
3D centric reordering	Off
Time to center	9.3 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	3D
Unfiltered images	Off

Inline - Maplt

Save original images	On
Maplt	None
Flip angle	20.0 deg
Measurements	1
Contrasts	2
TR	7.63 ms
TE 1	2.39 ms
TE 2	4.77 ms

Sequence - Part 1

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Weak
Contrasts	2
Readout mode	Monopolar
Optimization	In phase
Multi-slice mode	Sequential
Bandwidth 1	400 Hz/Px
Bandwidth 2	400 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.

Sequence - Part 2

RF spoiling	On
Incr. Gradient spoiling	Off

Sequence - Assistant

Mode	Off
------	-----

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\I_t2_tse_sag_p2_COMPOSED

TA: 1:18 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tseR_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	17
Dist. factor	10 %
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4020.0 ms
TE	97.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;HE3,4;NE1,2;SP1,2

Contrast - Common

TR	4020.0 ms
TE	97.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	448
Phase resolution	80 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4020.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	R6.4 A8.1 F89.5
R	6.4 mm
A	8.1 mm
F	89.5 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	0.7
> C	0.0

Geometry - Saturation

Sat. region	1
Thickness	80 mm
Position	L0.0 A106.6 F6.0 mm
Orientation	C > T-3.2
Shape	Standard
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	89 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	89 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	Default

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	63.531532 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	4020.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	80 %
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	9.66 ms
Bandwidth	203 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	18
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	21

Sequence - Assistant

Mode	TR
Max. TR	4500.0 ms
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\I_t2_tse_sag_p2_COMPOSED

TA: 1:18 PM: ISO Voxel size: 1.0×1.0×4.0 mmPAT: 2 Rel. SNR: 1.00 : tseR_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	17
Dist. factor	10 %
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4020.0 ms
TE	97.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1-3;BO1,2;SP2-5

Contrast - Common

TR	4020.0 ms
TE	97.0 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	On

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	448
Phase resolution	80 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	38
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	4020.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
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

Sat. region	1
Thickness	80 mm
Position	L0.0 P0.9 F0.2 mm
Orientation	C > T10.7
Shape	Standard
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	417 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	417 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	Default

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	63.531532 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	4020.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	80 %
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	9.66 ms
Bandwidth	203 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	18
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Normal
WARP	Off
Red. EC sensitivity	Off
Turbo factor	21

Sequence - Assistant

Mode	TR
Max. TR	4500.0 ms
Allowed delay	30 s

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\I_t1_tse_sag_p2_COMPOSED

TA: 1:06 PM: ISO Voxel size: 1.1×1.1×4.0 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	17
Dist. factor	10 %
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
TE	8.7 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1,2;HE3,4;NE1,2;SP1,2

Contrast - Common

TR	643.0 ms
TE	8.7 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	384
Phase resolution	75 %
Phase partial Fourier	Off
Trajectory	Cartesian
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R6.4 A8.1 F89.5 mm
Orientation	S > T0.7
Phase enc. dir.	H >> F
AutoAlign	---
Initial Position	R6.4 A8.1 F89.5
R	6.4 mm
A	8.1 mm
F	89.5 mm
Initial Rotation	90.00 deg
Initial Orientation	S > T
S > T	0.7
> C	0.0

Geometry - Saturation

Sat. region	1
Thickness	80 mm
Position	L0.0 A106.6 F6.0 mm
Orientation	C > T-3.2
Shape	Standard
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	89 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	89 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	Default

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	63.531532 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	643.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	75 %
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.	No
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	8.72 ms
Bandwidth	224 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	100
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

\\RMH Aera\Whole Body\Clinical whole body\Myeloma protocol\I_t1_tse_sag_p2_COMPOSED

TA: 1:06 PM: ISO Voxel size: 1.1×1.1×4.0 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	17
Dist. factor	10 %
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
Phase enc. dir.	H >> F
AutoAlign	---
Phase oversampling	100 %
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
TE	8.7 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	BO1-3;BO1,2;SP2-5

Contrast - Common

TR	643.0 ms
TE	8.7 ms
MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off

Contrast - Dynamic

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

Resolution - Common

FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
Base resolution	384
Phase resolution	75 %
Phase partial Fourier	Off
Trajectory	Cartesian
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	On

Geometry - Common

Slice group	1
Slices	17
Dist. factor	10 %
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
Phase enc. dir.	H >> F
FoV read	440 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	643.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R1.3 A8.2 F416.8 mm
Orientation	S > T-0.6
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

Sat. region	1
Thickness	80 mm
Position	L0.0 P0.9 F0.2 mm
Orientation	C > T10.7
Shape	Standard
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	417 mm
Inline Composing	On
Normalize	Off
Composing Function	Spine

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	4.0 mm
Dist. factor	10 %
FoV read	440 mm
FoV phase	100.0 %

System - Miscellaneous

Positioning mode	ISO
Table position	F
Table position	417 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	Default

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	63.531532 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	643.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	None
Fat suppr.	None

Physio - Cardiac

Dark blood	Off
FoV read	440 mm
FoV phase	100.0 %
Phase resolution	75 %
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.	No
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	8.72 ms
Bandwidth	224 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	100
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