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\\Peter S. Allen MR Research Centre

Camicioli

CCNA

CDIPv3.8_EDM_head20_SWI

B1MAP

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R2STAR_EDM

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TA: 0:33 PM: FIX Voxel size: 1.3×1.3×2.5 mmPAT: Off Rel. SNR: 1.00 : tf

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	48
Dist. factor	21 %
Position	R2.6 A9.7 H5.0 mm
Orientation	T > C-16.3 > S-0.8
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	240 mm
FoV phase	75.0 %
Slice thickness	2.5 mm
TR	16190.0 ms
TE	2.36 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HE1-4

Contrast - Common

TR	16190.0 ms
TE	2.36 ms
Magn. preparation	None
Flip angle	5 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	240 mm
FoV phase	75.0 %
Slice thickness	2.5 mm
Base resolution	96
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

Resolution - iPAT

PAT mode	None
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Resolution - Filter Image

Image Filter	Off
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Resolution - Filter Image

Distortion Corr.	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	48
Dist. factor	21 %
Position	R2.6 A9.7 H5.0 mm
Orientation	T > C-16.3 > S-0.8
Phase enc. dir.	R >> L
FoV read	240 mm
FoV phase	75.0 %
Slice thickness	2.5 mm
TR	16190.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
AutoAlign	---
Position	R2.6 A9.7 H5.0 mm
Orientation	T > C-16.3 > S-0.8
Phase enc. dir.	R >> L
Initial Position	R2.6 A9.7 H5.0
Phase	-2.6 mm
Read	-10.7 mm
Shift	2.1 mm
Initial Rotation	90.00 deg
Initial Orientation	T > C
T > C	-16.3
> S	-0.8

Geometry - Tim Planning Suite

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

System - Miscellaneous

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

System - Adjustments

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

Sequence - Assistant

Mode	Off
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System - Adjust Volume

Position	R2.6 A9.7 H5.0 mm
Orientation	T > C-16.3 > S-0.8
Rotation	90.00 deg
R >> L	180 mm
A >> P	240 mm
F >> H	145 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slice-sel.

System - Tx/Rx

Frequency 1H	123.240895 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Save original images	On

Inline - MIP

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

Inline - Composing

Inline Composing	Off
Distortion Corr.	Off

Sequence - Part 1

Introduction	Off
Dimension	2D
Asymmetric echo	Allowed
Flow comp.	No
Multi-slice mode	Interleaved
Echo spacing	4.7 ms
Bandwidth	490 Hz/Px

Sequence - Part 2

RF pulse type	Low SAR
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On
Turbo factor	72

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TA: 5:39 PM: FIX Voxel size: 0.9×0.9×2.0 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	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	R2.6 A9.7 H5.0 mm
Orientation	T > C-16.3 > S-0.8
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	80
FoV read	240 mm
FoV phase	90.6 %
Slice thickness	2.00 mm
TR	45.0 ms
TE 1	3.82 ms
TE 2	9.31 ms
TE 3	14.80 ms
TE 4	20.29 ms
TE 5	25.78 ms
TE 6	31.27 ms
TE 7	36.76 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	HE1-4

Contrast - Common

TR	45.0 ms
TE 1	3.82 ms
TE 2	9.31 ms
TE 3	14.80 ms
TE 4	20.29 ms
TE 5	25.78 ms
TE 6	31.27 ms
TE 7	36.76 ms
MTC	Off
Magn. preparation	None
Flip angle	17 deg
Fat suppr.	None
Water suppr.	None
SWI	Off

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase

Contrast - Dynamic

Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	240 mm
FoV phase	90.6 %
Slice thickness	2.00 mm
Base resolution	256
Phase resolution	82 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	1
Reference scan mode	Integrated

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Dist. factor	20 %
Position	R2.6 A9.7 H5.0 mm
Orientation	T > C-16.3 > S-0.8
Phase enc. dir.	R >> L
Slice oversampling	0.0 %
Slices per slab	80
FoV read	240 mm
FoV phase	90.6 %
Slice thickness	2.00 mm
TR	45.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slab group	1
AutoAlign	---
Position	R2.6 A9.7 H5.0 mm
Orientation	T > C-16.3 > S-0.8
Phase enc. dir.	R >> L
Initial Position	R2.6 A9.7 H5.0
Phase	-2.6 mm
Read	-10.7 mm
Shift	2.1 mm
Initial Rotation	90.00 deg

Geometry - AutoAlign

Initial Orientation	T > C
T > C	-16.3
> S	-0.8

Geometry - Saturation

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

Geometry - Tim Planning Suite

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

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

Position	R2.6 A9.7 H5.0 mm
Orientation	T > C-16.3 > S-0.8
Rotation	90.00 deg
R >> L	218 mm
A >> P	240 mm
F >> H	160 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slab-sel.

System - Tx/Rx

Frequency 1H	123.240895 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	45.0 ms

Physio - Signal1

Concatenations	1
Segments	1

Physio - Cardiac

Tagging	None
Magn. preparation	None
Fat suppr.	None
Dark blood	Off
FoV read	240 mm
FoV phase	90.6 %
Phase resolution	82 %

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

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

Inline - MIP

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

Inline - Soft Tissue

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

Inline - Composing

Inline Composing	Off
Distortion Corr.	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	17 deg
Measurements	1
Contrasts	7
TR	45.0 ms
TE 1	3.82 ms
TE 2	9.31 ms
TE 3	14.80 ms
TE 4	20.29 ms
TE 5	25.78 ms
TE 6	31.27 ms
TE 7	36.76 ms

Sequence - Part 1

Introduction	On
Dimension	3D
Elliptical scanning	Off
Phase stabilisation	Off
Asymmetric echo	Off

Sequence - Part 1

Contrasts	7
Flow comp. 1	No
Readout mode	Monopolar
Multi-slice mode	Interleaved
Bandwidth 1	260 Hz/Px
Bandwidth 2	260 Hz/Px
Bandwidth 3	260 Hz/Px
Bandwidth 4	260 Hz/Px
Bandwidth 5	260 Hz/Px
Bandwidth 6	260 Hz/Px
Bandwidth 7	260 Hz/Px

Sequence - Part 2

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

Sequence - Assistant

Mode	Off
Allowed delay	30 s