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\\USER\AP\TEST\EMPRISE_220217\QuinPilot_32Ch

TA: 0:47 PM: REF Voxel size: 1.0×1.0×5.0 mmPAT: Off Rel. SNR: 1.00 : tfl

Properties

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

Routine

Slice group	1
Slices	3
Dist. factor	50 %
Position	L0.0 P13.5 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	1
Dist. factor	50 %
Position	L0.0 P2.8 H0.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3
Slices	1
Dist. factor	50 %
Position	L0.0 P12.6 H3.7 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	3000.0 ms
TE	3.63 ms
Averages	3
Concatenations	5
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast - Common

TR	3000.0 ms
TE	3.63 ms
TD	0 ms
Magn. preparation	Slice-sel. IR
TI	1500 ms
Flip angle	10 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	3
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	250 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off
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	3
Dist. factor	50 %
Position	L0.0 P13.5 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	1
Dist. factor	50 %
Position	L0.0 P2.8 H0.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3
Slices	1
Dist. factor	50 %
Position	L0.0 P12.6 H3.7 mm
Orientation	Coronal
Phase enc. dir.	R >> L
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	3000.0 ms
Multi-slice mode	Sequential
Series	Interleaved
Concatenations	5

Geometry - AutoAlign

Slice group	1
Position	L0.0 P13.5 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	L0.0 P2.8 H0.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3

Geometry - AutoAlign

Position	L0.0 P12.6 H3.7 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P13.5 H0.0
L	0.0 mm
P	13.5 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Navigator

System - Miscellaneous

Positioning mode	REF
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	On - AutoCoilSelect

System - Adjustments

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

System - Adjust Volume

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

System - Tx/Rx

Frequency 1H	123.253584 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	3000.0 ms
Concatenations	5

Physio - Cardiac

Magn. preparation	Slice-sel. IR
TI	1500 ms
Fat suppr.	None
Dark blood	Off

Physio - Cardiac

FoV read	250 mm
FoV phase	100.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	5

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

Distortion Corr.	Off

Inline - MapIt

Save original images	On
MapIt	None
Flip angle	10 deg
Measurements	1
TR	3000.0 ms
TE	3.63 ms

Sequence - Part 1

Introduction	On
Dimension	2D
Asymmetric echo	Off
Flow comp.	No
Multi-slice mode	Sequential
Echo spacing	7.1 ms
Bandwidth	240 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Whisper
Excitation	Slice-sel.
RF spoiling	On
Incr. Gradient spoiling	Off
Turbo factor	256

Sequence - Assistant

Mode	Off

\\USER\AP\TEST\EMPRISE_220217\cmrr_mbep2d_bold_2.2iso_mod270122

TA: 6:06 PM: FIX Voxel size: 2.2×2.2×2.2 mmPAT: Off Rel. SNR: 1.00 : epfid

Properties

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

Routine

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
TE	24.60 ms
Multi-band accel. factor	3
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast - Common

TR	2000 ms
TE	24.60 ms
MTC	Off
Magn. preparation	None
Flip angle	80 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
Base resolution	92
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Distortion Corr.	Off

Resolution - Filter Image

Prescan Normalize	On

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.9 P25.7 H32.9
R	1.9 mm
P	25.7 mm
H	32.9 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-15.4
> S	0.0

Geometry - Saturation

Fat suppr.	Fat sat.
Special sat.	None

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
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

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

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Rotation	0.00 deg
A >> P	204 mm
R >> L	204 mm
F >> H	127 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.253584 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	2000 ms
Multi-band accel. factor	3

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	20
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Baseline
Meas[4]	Baseline
Meas[5]	Baseline
Meas[6]	Baseline
Meas[7]	Baseline
Meas[8]	Baseline
Meas[9]	Baseline
Meas[10]	Baseline
Meas[11]	Active
Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion correction	Off
Spatial filter	Off
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.77 ms
Bandwidth	1552 Hz/Px

Sequence - Part 2

EPI factor	92
Gradient mode	Normal
RF spoiling	Off

Sequence - Special

Excite pulse duration	4380 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	Off
SENSE1 coil combine	On
Invert RO/PE polarity	Off
PF omits higher k-space	Off
Disable freq. update	Off
Force equal slice timing	Off
Online multi-band recon.	Online
FFT scale factor	1.00
Physio recording	Off
Triggering scheme	Standard

\\USER\AP\TEST\EMPRISE_220217\cmrr_mbep2d_bold_2.2iso_mod270122

TA: 6:06 PM: FIX Voxel size: 2.2×2.2×2.2 mmPAT: Off Rel. SNR: 1.00 : epfid

Properties

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

Routine

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
TE	24.60 ms
Multi-band accel. factor	3
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast - Common

TR	2000 ms
TE	24.60 ms
MTC	Off
Magn. preparation	None
Flip angle	80 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
Base resolution	92
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Distortion Corr.	Off

Resolution - Filter Image

Prescan Normalize	On

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.9 P25.7 H32.9
R	1.9 mm
P	25.7 mm
H	32.9 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-15.4
> S	0.0

Geometry - Saturation

Fat suppr.	Fat sat.
Special sat.	None

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
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

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

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Rotation	0.00 deg
A >> P	204 mm
R >> L	204 mm
F >> H	127 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.253584 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	2000 ms
Multi-band accel. factor	3

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	20
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Baseline
Meas[4]	Baseline
Meas[5]	Baseline
Meas[6]	Baseline
Meas[7]	Baseline
Meas[8]	Baseline
Meas[9]	Baseline
Meas[10]	Baseline
Meas[11]	Active
Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion correction	Off
Spatial filter	Off
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.77 ms
Bandwidth	1552 Hz/Px

Sequence - Part 2

EPI factor	92
Gradient mode	Normal
RF spoiling	Off

Sequence - Special

Excite pulse duration	4380 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	Off
SENSE1 coil combine	On
Invert RO/PE polarity	Off
PF omits higher k-space	Off
Disable freq. update	Off
Force equal slice timing	Off
Online multi-band recon.	Online
FFT scale factor	1.00
Physio recording	Off
Triggering scheme	Standard

\\USER\AP\TEST\EMPRISE_220217\cmrr_mbep2d_bold_2.2iso_mod270122

TA: 6:06 PM: FIX Voxel size: 2.2×2.2×2.2 mmPAT: Off Rel. SNR: 1.00 : epfid

Properties

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

Routine

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
TE	24.60 ms
Multi-band accel. factor	3
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast - Common

TR	2000 ms
TE	24.60 ms
MTC	Off
Magn. preparation	None
Flip angle	80 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
Base resolution	92
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Distortion Corr.	Off

Resolution - Filter Image

Prescan Normalize	On

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.9 P25.7 H32.9
R	1.9 mm
P	25.7 mm
H	32.9 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-15.4
> S	0.0

Geometry - Saturation

Fat suppr.	Fat sat.
Special sat.	None

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
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

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

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Rotation	0.00 deg
A >> P	204 mm
R >> L	204 mm
F >> H	127 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.253584 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	2000 ms
Multi-band accel. factor	3

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	20
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Baseline
Meas[4]	Baseline
Meas[5]	Baseline
Meas[6]	Baseline
Meas[7]	Baseline
Meas[8]	Baseline
Meas[9]	Baseline
Meas[10]	Baseline
Meas[11]	Active
Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion correction	Off
Spatial filter	Off
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.77 ms
Bandwidth	1552 Hz/Px

Sequence - Part 2

EPI factor	92
Gradient mode	Normal
RF spoiling	Off

Sequence - Special

Excite pulse duration	4380 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	Off
SENSE1 coil combine	On
Invert RO/PE polarity	Off
PF omits higher k-space	Off
Disable freq. update	Off
Force equal slice timing	Off
Online multi-band recon.	Online
FFT scale factor	1.00
Physio recording	Off
Triggering scheme	Standard

\\USER\AP\TEST\EMPRISE_220217\cmrr_mbep2d_bold_2.2iso_mod270122

TA: 6:06 PM: FIX Voxel size: 2.2×2.2×2.2 mmPAT: Off Rel. SNR: 1.00 : epfid

Properties

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

Routine

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
TE	24.60 ms
Multi-band accel. factor	3
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast - Common

TR	2000 ms
TE	24.60 ms
MTC	Off
Magn. preparation	None
Flip angle	80 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
Base resolution	92
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Distortion Corr.	Off

Resolution - Filter Image

Prescan Normalize	On

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.9 P25.7 H32.9
R	1.9 mm
P	25.7 mm
H	32.9 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-15.4
> S	0.0

Geometry - Saturation

Fat suppr.	Fat sat.
Special sat.	None

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
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

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

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Rotation	0.00 deg
A >> P	204 mm
R >> L	204 mm
F >> H	127 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.253584 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	2000 ms
Multi-band accel. factor	3

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	20
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Baseline
Meas[4]	Baseline
Meas[5]	Baseline
Meas[6]	Baseline
Meas[7]	Baseline
Meas[8]	Baseline
Meas[9]	Baseline
Meas[10]	Baseline
Meas[11]	Active
Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion correction	Off
Spatial filter	Off
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.77 ms
Bandwidth	1552 Hz/Px

Sequence - Part 2

EPI factor	92
Gradient mode	Normal
RF spoiling	Off

Sequence - Special

Excite pulse duration	4380 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	Off
SENSE1 coil combine	On
Invert RO/PE polarity	Off
PF omits higher k-space	Off
Disable freq. update	Off
Force equal slice timing	Off
Online multi-band recon.	Online
FFT scale factor	1.00
Physio recording	Off
Triggering scheme	Standard

\\USER\AP\TEST\EMPRISE_220217\cmrr_mbep2d_bold_2.2iso_mod270122

TA: 6:06 PM: FIX Voxel size: 2.2×2.2×2.2 mmPAT: Off Rel. SNR: 1.00 : epfid

Properties

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

Routine

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
TE	24.60 ms
Multi-band accel. factor	3
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast - Common

TR	2000 ms
TE	24.60 ms
MTC	Off
Magn. preparation	None
Flip angle	80 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
Base resolution	92
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Distortion Corr.	Off

Resolution - Filter Image

Prescan Normalize	On

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.9 P25.7 H32.9
R	1.9 mm
P	25.7 mm
H	32.9 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-15.4
> S	0.0

Geometry - Saturation

Fat suppr.	Fat sat.
Special sat.	None

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
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

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

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Rotation	0.00 deg
A >> P	204 mm
R >> L	204 mm
F >> H	127 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.253584 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	2000 ms
Multi-band accel. factor	3

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	20
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Baseline
Meas[4]	Baseline
Meas[5]	Baseline
Meas[6]	Baseline
Meas[7]	Baseline
Meas[8]	Baseline
Meas[9]	Baseline
Meas[10]	Baseline
Meas[11]	Active
Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion correction	Off
Spatial filter	Off
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.77 ms
Bandwidth	1552 Hz/Px

Sequence - Part 2

EPI factor	92
Gradient mode	Normal
RF spoiling	Off

Sequence - Special

Excite pulse duration	4380 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	Off
SENSE1 coil combine	On
Invert RO/PE polarity	Off
PF omits higher k-space	Off
Disable freq. update	Off
Force equal slice timing	Off
Online multi-band recon.	Online
FFT scale factor	1.00
Physio recording	Off
Triggering scheme	Standard

\\USER\AP\TEST\EMPRISE_220217\cmrr_mbep2d_bold_2.2iso_mod270122

TA: 6:06 PM: FIX Voxel size: 2.2×2.2×2.2 mmPAT: Off Rel. SNR: 1.00 : epfid

Properties

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

Routine

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
TE	24.60 ms
Multi-band accel. factor	3
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast - Common

TR	2000 ms
TE	24.60 ms
MTC	Off
Magn. preparation	None
Flip angle	80 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
Base resolution	92
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Distortion Corr.	Off

Resolution - Filter Image

Prescan Normalize	On

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.9 P25.7 H32.9
R	1.9 mm
P	25.7 mm
H	32.9 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-15.4
> S	0.0

Geometry - Saturation

Fat suppr.	Fat sat.
Special sat.	None

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
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

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

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Rotation	0.00 deg
A >> P	204 mm
R >> L	204 mm
F >> H	127 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.253584 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	2000 ms
Multi-band accel. factor	3

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	20
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Baseline
Meas[4]	Baseline
Meas[5]	Baseline
Meas[6]	Baseline
Meas[7]	Baseline
Meas[8]	Baseline
Meas[9]	Baseline
Meas[10]	Baseline
Meas[11]	Active
Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion correction	Off
Spatial filter	Off
Measurements	178
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.77 ms
Bandwidth	1552 Hz/Px

Sequence - Part 2

EPI factor	92
Gradient mode	Normal
RF spoiling	Off

Sequence - Special

Excite pulse duration	4380 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	Off
SENSE1 coil combine	On
Invert RO/PE polarity	Off
PF omits higher k-space	Off
Disable freq. update	Off
Force equal slice timing	Off
Online multi-band recon.	Online
FFT scale factor	1.00
Physio recording	Off
Triggering scheme	Standard

\\USER\AP\TEST\EMPRISE_220217\cmrr_mbep2d_bold_2.2iso_mod270122_loc_word

TA: 1:10 PM: FIX Voxel size: 2.2×2.2×2.2 mmPAT: Off Rel. SNR: 1.00 : epfid

Properties

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

Routine

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
TE	24.60 ms
Multi-band accel. factor	3
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast - Common

TR	2000 ms
TE	24.60 ms
MTC	Off
Magn. preparation	None
Flip angle	80 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	30
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
Base resolution	92
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Distortion Corr.	Off

Resolution - Filter Image

Prescan Normalize	On

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.9 P25.7 H32.9
R	1.9 mm
P	25.7 mm
H	32.9 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-15.4
> S	0.0

Geometry - Saturation

Fat suppr.	Fat sat.
Special sat.	None

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
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

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

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Rotation	0.00 deg
A >> P	204 mm
R >> L	204 mm
F >> H	127 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.253584 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	2000 ms
Multi-band accel. factor	3

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	20
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Baseline
Meas[4]	Baseline
Meas[5]	Baseline
Meas[6]	Baseline
Meas[7]	Baseline
Meas[8]	Baseline
Meas[9]	Baseline
Meas[10]	Baseline
Meas[11]	Active
Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion correction	Off
Spatial filter	Off
Measurements	30
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.77 ms
Bandwidth	1552 Hz/Px

Sequence - Part 2

EPI factor	92
Gradient mode	Normal
RF spoiling	Off

Sequence - Special

Excite pulse duration	4380 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	Off
SENSE1 coil combine	On
Invert RO/PE polarity	Off
PF omits higher k-space	Off
Disable freq. update	Off
Force equal slice timing	Off
Online multi-band recon.	Online
FFT scale factor	1.00
Physio recording	Off
Triggering scheme	Standard

\\USER\AP\TEST\EMPRISE_220217\cmrr_mbep2d_bold_2.2iso_mod270122_loc_visual

TA: 2:10 PM: FIX Voxel size: 2.2×2.2×2.2 mmPAT: Off Rel. SNR: 1.00 : epfid

Properties

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

Routine

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
TE	24.60 ms
Multi-band accel. factor	3
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast - Common

TR	2000 ms
TE	24.60 ms
MTC	Off
Magn. preparation	None
Flip angle	80 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	60
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
Base resolution	92
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Distortion Corr.	Off

Resolution - Filter Image

Prescan Normalize	On

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	51
Dist. factor	13 %
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	2.20 mm
TR	2000 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R1.9 P25.7 H32.9
R	1.9 mm
P	25.7 mm
H	32.9 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-15.4
> S	0.0

Geometry - Saturation

Fat suppr.	Fat sat.
Special sat.	None

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
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

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

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	R1.9 P25.7 H32.9 mm
Orientation	T > C-15.4
Rotation	0.00 deg
A >> P	204 mm
R >> L	204 mm
F >> H	127 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.253584 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	2000 ms
Multi-band accel. factor	3

BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	20
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Baseline
Meas[4]	Baseline
Meas[5]	Baseline
Meas[6]	Baseline
Meas[7]	Baseline
Meas[8]	Baseline
Meas[9]	Baseline
Meas[10]	Baseline
Meas[11]	Active
Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion correction	Off
Spatial filter	Off
Measurements	60
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.77 ms
Bandwidth	1552 Hz/Px

Sequence - Part 2

EPI factor	92
Gradient mode	Normal
RF spoiling	Off

Sequence - Special

Excite pulse duration	4380 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	Off
SENSE1 coil combine	On
Invert RO/PE polarity	Off
PF omits higher k-space	Off
Disable freq. update	Off
Force equal slice timing	Off
Online multi-band recon.	Online
FFT scale factor	1.00
Physio recording	Off
Triggering scheme	Standard