Table of contents

\\USER\Test\Renzo\WholeBrain_invivo20220710\WB_0p6_ipat8_S2_testme_EPIACS_average

TA: 1:39 PM: FIX Voxel size: 0.6×0.6×0.6 mmPAT: 8 Rel. SNR: 1.00 : 8036cbcd

Properties

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

Routine

Slab group	1
Slabs	1
Position	L0.0 P3.9 H34.5 mm
Orientation	T > C-16.6
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	180
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	0.64 mm
TR 1	45.9 ms
TR 2	23091 ms
TE 1	16.10 ms
Averages	2
Multi-echo Shots	1
Filter	None
Coil elements	A01-63

Contrast - Common

TR 1	45.9 ms
TR 2	23091 ms
TE 1	16.10 ms
Multi-echo spacing	41.39 ms
Magn. preparation	Non-sel. HSN IR
TI 1	1064.9 ms
TI 2	2120.6 ms
Flip angle	18 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	4

Contrast - Dynamic

Averages	2
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	2
Pause after meas. 1	0.0 s

Resolution - Common

FoV read	200 mm
FoV phase	100.0 %
Slice thickness	0.64 mm
Base resolution	314
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8

Resolution - Common

Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	2
Ref. lines PE	75
Acc. factor 3D	4
Ref. lines 3D	24
CAIPI 3D Shift	2
Reference Scan Mode	EPI/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	L0.0 P3.9 H34.5 mm
Orientation	T > C-16.6
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	180
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	0.64 mm
TR 1	45.9 ms
TR 2	23091 ms
Multi-slice mode	Interleaved
Series	Ascending
Multi-echo Shots	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 P3.9 H34.5 mm
Orientation	T > C-16.6
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P3.9 H34.5
L	0.0 mm
P	3.9 mm
H	34.5 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-16.6
> S	0.0

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

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
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P13.5 H37.1 mm
! Orientation	T > C-16.2
! Rotation	0.00 deg
! A >> P	199 mm
! R >> L	189 mm
! F >> H	107 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slab-sel.

System - Tx/Rx

Frequency 1H	297.191774 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Asymmetric echo	Off
Contrasts	1
Multi-slice mode	Interleaved
Echo spacing	0.69 ms
Bandwidth	1592 Hz/Px

Sequence - Part 2

EPI factor	59
Segmentation	2
RF pulse type	Normal
Gradient mode	Normal

Sequence - Part 2

Excitation	Slab-sel.
RF spoiling	On
Turbo factor	23

Sequence - Special

PATRef FA	3 deg
RF duration	2000 us
RF BWT product	8
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
Invert PE	Off
Min. TE if PF	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC	On
SVDPC	On
Invert 3D	Off
Invert RO	Off
Alt. PATRef RO	On
Alternate RO	On
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
EPI rise time factor	1.10
Mosaic DICOMs	On
Modify Ice Config	Off
HSN RF power scale	2.50
Inversion Delay	550 ms
Relaxation Delay	0 ms
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\Test\Renzo\WholeBrain_invivo20220710\WB_0p6_ipat8_S2_testme_EPIACS_average_movie_averaging_offline

TA: 1:39 PM: FIX Voxel size: 0.6×0.6×0.6 mmPAT: 8 Rel. SNR: 1.00 : 8036cbcd

Properties

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

Routine

Slab group	1
Slabs	1
Position	L0.0 P17.4 H29.1 mm
Orientation	T > C-12.8
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	180
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	0.64 mm
TR 1	45.9 ms
TR 2	23091 ms
TE 1	16.10 ms
Averages	2
Multi-echo Shots	1
Filter	None
Coil elements	A01-63

Contrast - Common

TR 1	45.9 ms
TR 2	23091 ms
TE 1	16.10 ms
Multi-echo spacing	41.39 ms
Magn. preparation	Non-sel. HSN IR
TI 1	1064.9 ms
TI 2	2120.6 ms
Flip angle	18 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	4

Contrast - Dynamic

Averages	2
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	2
Pause after meas. 1	0.0 s

Resolution - Common

FoV read	200 mm
FoV phase	100.0 %
Slice thickness	0.64 mm
Base resolution	314
Phase resolution	100 %
Slice resolution	100 %

Resolution - Common

Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	2
Ref. lines PE	75
Acc. factor 3D	4
Ref. lines 3D	24
CAIPI 3D Shift	2
Reference Scan Mode	EPI/separate
CAIPIRINHA mode	Free

Resolution - Filter Image

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

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	L0.0 P17.4 H29.1 mm
Orientation	T > C-12.8
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	180
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	0.64 mm
TR 1	45.9 ms
TR 2	23091 ms
Multi-slice mode	Interleaved
Series	Ascending
Multi-echo Shots	1

Geometry - AutoAlign

Slab group	1
Position	L0.0 P17.4 H29.1 mm
Orientation	T > C-12.8
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P17.4 H29.1
L	0.0 mm
P	17.4 mm
H	29.1 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-12.8
> S	0.0

Geometry - Saturation

Saturation mode	Standard

Geometry - Saturation

Fat suppr.	Fat sat.

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
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P21.6 H33.0 mm
! Orientation	T > C-16.2
! Rotation	0.00 deg
! A >> P	199 mm
! R >> L	189 mm
! F >> H	107 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slab-sel.

System - Tx/Rx

Frequency 1H	297.191774 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Asymmetric echo	Off
Contrasts	1
Multi-slice mode	Interleaved
Echo spacing	0.69 ms
Bandwidth	1592 Hz/Px

Sequence - Part 2

EPI factor	59

Sequence - Part 2

Segmentation	2
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	23

Sequence - Special

PATRef FA	3 deg
RF duration	2000 us
RF BWT product	8
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
Invert PE	Off
Min. TE if PF	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC	On
SVDPC	On
Invert 3D	Off
Invert RO	Off
Alt. PATRef RO	On
Alternate RO	On
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
EPI rise time factor	1.10
Mosaic DICOMs	On
Modify Ice Config	Off
HSN RF power scale	2.50
Inversion Delay	550 ms
Relaxation Delay	0 ms
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off