\\UIUC\Chal\DEV\Josh_lottery_event_pfc_midbrain\bold_ap_86sl_tr3p083_longbino_2.3x2z1_pcSer_es1p09

TA: 9:27 PM: FIX Voxel size: 0.8×0.8×0.8 mmPAT: 6 Rel. SNR: 1.00 : ep 377f4e7

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	L1.8 A1.2 F3.6 mm
Orientation	T > C-21.9
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	86
FoV read	180 mm
FoV phase	100.0 %
Slice thickness	0.82 mm
TR	41.7 ms
TE 1	18.30 ms
Averages	1
Multi-echo Shots	1
Filter	None
Coil elements	AC

Contrast - Common

TR	41.7 ms
TE 1	18.30 ms
Multi-echo spacing	37.08 ms
MTC	Off
Flip angle	20 deg
Fat suppr.	None

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	182
Pause after meas.	0.0 s

Resolution - Common

FoV read	180 mm
FoV phase	100.0 %
Slice thickness	0.82 mm
Base resolution	224
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	7/8
Slice partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	3
Ref. lines PE	45
Acc. factor 3D	2
Ref. lines 3D	24
CAIPI 3D Shift	1
Reference Scan Mode	GRE/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	L1.8 A1.2 F3.6 mm
Orientation	T > C-21.9
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	86
FoV read	180 mm
FoV phase	100.0 %
Slice thickness	0.82 mm
TR	41.7 ms
Multi-slice mode	Interleaved
Series	Ascending
Multi-echo Shots	1

Geometry - AutoAlign

Slab group	1
Position	L1.8 A1.2 F3.6 mm
Orientation	T > C-21.9
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L1.8 A1.2 F3.6
L	1.8 mm
A	1.2 mm
F	3.6 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-21.9
> S	0.0

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	None

Geometry - Tim Planning Suite

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

Geometry - Tim Planning Suite

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	L1.8 P1.8 H1.8 mm
! Orientation	T > C-24.5
! Rotation	0.00 deg
! A >> P	180 mm
! R >> L	135 mm
! F >> H	80 mm
Reset	Off

System - pTx Volumes

B1 Shim mode	TrueForm
Excitation	Slab-sel.

System - Tx/Rx

Frequency 1H	297.183340 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	0.500
Reset	Off
! Ref. amplitude 1H	245.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Off
Contrasts	1
Multi-slice mode	Interleaved
Echo spacing	1.09 ms
Bandwidth	1062 Hz/Px

Sequence - Part 2

EPI factor	33
Segmentation	2
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On

Sequence - Special

PATRef FA	4 deg
RF duration	620 us
RF BWT product	18
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Noise dummy shots	-1
Integrated PC	Off
Invert PE	Off
Min. TE if PF	On
Alternate RO	Off
Water Exc.	Long bino-11
Phase Correction	per Series
EPI rise time factor	1.10
Mosaic DICOMs	On
Modify Ice Config	On
G-factor map	Off
GRAPPA Regularization	50000 10^-6
Prep Mode	0
Dante Mode	4
Dante Rf FA	11.8 deg
Dante Rf Dur	120 us
Dante Pls1 #	40
Dante Pls2 #	40
Dante Tau	200 us
Dante Gradx	0.0 mT/m
Dante Grady	0.0 mT/m
Dante Gradz	0.0 mT/m
Ramp time	0
Ramp mintime	0
Prep FA Diff	0.0 deg

Sequence - Assistant

Mode	Off

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TA: 2:06 PM: FIX Voxel size: 0.8×0.8×0.8 mmPAT: 6 Rel. SNR: 1.00 : ep 377f4e7

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	L1.8 A1.2 F3.6 mm
Orientation	T > C-21.9
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	86
FoV read	180 mm
FoV phase	100.0 %
Slice thickness	0.82 mm
TR	41.7 ms
TE 1	18.30 ms
Averages	1
Multi-echo Shots	1
Filter	None
Coil elements	AC

Contrast - Common

TR	41.7 ms
TE 1	18.30 ms
Multi-echo spacing	37.08 ms
MTC	Off
Flip angle	20 deg
Fat suppr.	None

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magn./Phase
Measurements	32
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s
Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s

Contrast - Dynamic

Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s

Resolution - Common

FoV read	180 mm
FoV phase	100.0 %
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Base resolution	224
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	7/8
Slice partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

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Acc. factor PE	3
Ref. lines PE	45
Acc. factor 3D	2
Ref. lines 3D	24
CAIPI 3D Shift	1
Reference Scan Mode	GRE/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

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Slabs	1
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Geometry - Common

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Multi-slice mode	Interleaved
Series	Ascending
Multi-echo Shots	1

Geometry - AutoAlign

Slab group	1
Position	L1.8 A1.2 F3.6 mm
Orientation	T > C-21.9
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L1.8 A1.2 F3.6
L	1.8 mm
A	1.2 mm
F	3.6 mm
Initial Rotation	0.00 deg
Initial Orientation	T > C
T > C	-21.9
> S	0.0

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	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
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Coil Combine Mode	Sum of Squares
Save uncombined	Off
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AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Standard
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Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L1.8 P1.8 H1.8 mm
! Orientation	T > C-24.5
! Rotation	0.00 deg
! A >> P	180 mm
! R >> L	135 mm
! F >> H	80 mm
Reset	Off

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B1 Shim mode	TrueForm
Excitation	Slab-sel.

System - Tx/Rx

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Reset	Off
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Sequence - Part 2

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RF pulse type	Normal
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PATRef FA	4 deg
RF duration	620 us
RF BWT product	18
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Noise dummy shots	-1
Integrated PC	Off
Invert PE	Off
Min. TE if PF	On
Alternate RO	Off
Water Exc.	Long bino-11
Phase Correction	per Series
EPI rise time factor	1.10
Mosaic DICOMs	On
Modify Ice Config	Off
Prep Mode	1
Dante Mode	4
Dante Rf FA	11.8 deg
Dante Rf Dur	90 us
Dante Pls1 #	40
Dante Pls2 #	40
Dante Tau	200 us
Dante Gradx	0.0 mT/m
Dante Grady	0.0 mT/m
Dante Gradz	0.0 mT/m
Ramp time	0
Ramp mintime	0
Prep FA Diff	-3.0 deg

Sequence - Assistant

Mode	Off