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\DEV

LPI/FVA/SCO

CERVEAU

nCSF

AAHead_Scout
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mbep2d_bold_AP_NSD_short_RETINO
mbep2d_bold_PA_NSD_short_RETINO
mbep2d_bold_PA_NSD_1p6_DEEPMREye_Run1
mbep2d_bold_PA_NSD_1p6_DEEPMREye_RUN2
mbep2d_bold_PA_NSD_1p6_nCSF_Run1
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mbep2d_bold_PA_NSD_1p6_nCSF_Run4
mbep2d_bold_PA_NSD_1p6_nCSF_Run5
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mbep2d_bold_PA_NSD_1p6_nCSF_Run10
mbep2d_bold_PA_NSD_1p6_RETINO_Run1
mbep2d_bold_PA_NSD_1p6_RETIN_RUN2

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\AAHead_Scout	
TA: 0:14 PM: REF Voxel size: 1.6x1.6x1.6 mmPAT: 3 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	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

Resolution - iPAT

Accel. factor 3D	1
Reference scan mode	Integrated

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	On
Unfiltered images	Off

Routine

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L0.0 A30.0 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	128
FoV read	260 mm
FoV phase	100.0 %
Slice thickness	1.6 mm
TR	3.25 ms
TE	1.53 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), B1 filter
Coil elements	A32

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Dist. factor	20 %
Position	L0.0 A30.0 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	128
FoV read	260 mm
FoV phase	100.0 %
Slice thickness	1.6 mm
TR	3.25 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	1

Contrast - Common

TR	3.25 ms
TE	1.53 ms
Flip angle	16 deg

Geometry - AutoAlign

Slab group	1
Position	L0.0 A30.0 H0.0 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Resolution - Common

FoV read	260 mm
FoV phase	100.0 %
Slice thickness	1.6 mm
Base resolution	160
Phase resolution	100 %
Slice resolution	69 %
Phase partial Fourier	6/8
Slice partial Fourier	6/8
Trajectory	Cartesian

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	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
Coil Select Mode	Default

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	24

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
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	297.133657 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Flip angle	16 deg
Measurements	1
Time to center	6.3 s

Inline - Inline

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.	On
Mode	3D
Unfiltered images	Off

Sequence - Part 1

Introduction	On
Dimension	3D
Asymmetric echo	Weak
Contrasts	1
Multi-slice mode	Sequential
Bandwidth	540 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Normal
Excitation	Non-sel.

Sequence - Part 2

RF spoiling	On
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Sequence - Nuclei

TX/RX Nucleus	1H
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	A32

Sequence - Assistant

Mode	Off
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\DEV\LP/I/FVA/SCO\CERVEAU\nCSF\tfI_b1map_sag_3mm_dis2D	
TA: 0:55 PM: FIX Voxel size: 3.0×3.0×3.0 mmPAT: Off Rel. SNR: 1.00 : tfI	

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	60
Dist. factor	25 %
Position	R0.6 A1.4 H32.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	288 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	26510.0 ms
TE	2.1 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D)
Coil elements	A32

Contrast - Common

TR	26510.0 ms
TE	2.1 ms
Magn. preparation	None
Flip angle	8 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	288 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
Base resolution	96
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
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Resolution - Filter Image

Image Filter	Off
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Resolution - Filter Image

Distortion Corr.	On
Mode	2D
Unfiltered images	On
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	60
Dist. factor	25 %
Position	R0.6 A1.4 H32.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
FoV read	288 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	26510.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	R0.6 A1.4 H32.9 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	R0.6 A1.4 H32.9
R	0.6 mm
A	1.4 mm
H	32.9 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	On
Only after freq. change	Off
Assume Dominant Fat	Off
Assume Silicone	Off

System - Adjustments

Adjustment Tolerance	Auto
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System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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

Distortion Corr.	On
Mode	2D
Unfiltered images	On

Sequence - Part 1

Introduction	Off
Dimension	2D
Asymmetric echo	Allowed
Flow comp.	No
Multi-slice mode	Interleaved
Echo spacing	4.6 ms
Bandwidth	490 Hz/Px

Sequence - Part 2

RF pulse type	Low SAR
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On
Turbo factor	96

Sequence - Assistant

Mode	Off
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\DEV\LP/I/FVA/SCO\CERVEAU\nCSF\t1_mp2r_sag_0p6_cs4_WIP925_v2

TA: 7:14 PM: FIX Voxel size: 0.6×0.6×0.6 mmPAT: 0.7 Rel. SNR: 1.00 : WIP_cmp

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	50 %
Position	R0.6 A1.3 H6.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	288
FoV read	240 mm
FoV phase	100.0 %
Slice thickness	0.63 mm
TR	5000.0 ms
TE	2.06 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D)
Coil elements	A32

Contrast - Common

TR	5000.0 ms
TE	2.06 ms
Magn. preparation	Non-sel. IR
TI 1	900 ms
TI 2	2750 ms
Flip angle 1	4 deg
Flip angle 2	5 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

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

Resolution - Common

FoV read	240 mm
FoV phase	100.0 %
Slice thickness	0.63 mm
Base resolution	384
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off

Resolution - Common

Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
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Resolution - Filter Image

Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	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	50 %
Position	R0.6 A1.3 H6.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice oversampling	0.0 %
Slices per slab	288
FoV read	240 mm
FoV phase	100.0 %
Slice thickness	0.63 mm
TR	5000.0 ms
Multi-slice mode	Single shot
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slab group	1
Position	R0.6 A1.3 H6.1 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	R0.6 A1.3 H6.1
R	0.6 mm
A	1.3 mm
H	6.1 mm
Initial Rotation	0.01 deg
Initial Orientation	Sagittal

Geometry - Navigator

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

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System - Miscellaneous

Save uncombined	Off
Matrix Optimization	Off
AutoAlign	Head > Basis
Coil Select Mode	Default

Inline - Composing

Distortion Corr.	On
Mode	3D
Unfiltered images	Off

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R0.6 A0.4 H5.8 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	240 mm
! R >> L	154 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	5000.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	Non-sel. IR
TI 1	900 ms
TI 2	2750 ms
Fat suppr.	None
Dark blood	Off
FoV read	240 mm
FoV phase	100.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Save original images	On

Sequence - Part 1

Introduction	On
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Asymmetric echo	Allowed
Contrasts	1
Flow comp.	No
Multi-slice mode	Single shot
Echo spacing	6.2 ms
Bandwidth	240 Hz/Px

Sequence - Part 2

RF pulse type	Fast
Gradient mode	Fast
Excitation	Non-sel.
RF spoiling	On
Incr. Gradient spoiling	Off
Turbo factor	288

Sequence - Special

Sparse Sampling	On
US	4.0 x
Samples/TR	252
Density	0.50
Jitter Radius	1.2
Reference Scan	External
No. Ref-Lines	32
Centric	Off
Virtual Coils	Off
Shift Inv Pulse	0 Hz
No. Iterations	15
CSM RO Resolution	150
Regularisation INV1	0.00100
Regularisation INV2	0.00100
Uniform	On
Denoised UNI	On
FLAWS	Off
FLAWS-hc	Off
FLAWS-hc inv.	Off
Division image	Off
T1 Map	On
Synthetic TI 0	0 ms
Synthetic TI 1	0 ms
Denoise Lambda	7
Scaling	-1 10^
Echo Averaging	Off
FID Monitoring	Off

Sequence - Assistant

Mode	Off
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Inline - MIP

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

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_AP_NSD_short_RETINO

TA: 0:54 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	20
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

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System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	20
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP/I/FVA/SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_short_RETINO

TA: 0:54 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	20
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

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System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	20
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP1\FVA\SCO\CERVEAU\CSF\mbep2d_bold_PA_NSD_1p6_DEEPMREye_Run1	
TA: 4:29 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	154
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	154
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP/I/FVA/SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_DEEPMREye_RUN2	
TA: 4:29 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	154
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	154
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_nCSF_Run1

TA: 6:05 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_nCSF_Run2

TA: 6:05 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_nCSF_Run3

TA: 6:05 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_nCSF_Run4

TA: 6:05 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_nCSF_Run5

TA: 6:05 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_nCSF_Run6

TA: 6:05 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_nCSF_Run7

TA: 6:05 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_nCSF_Run8

TA: 6:05 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP1\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_nCSF_Run9

TA: 6:05 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

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System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LPI\FVA\SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_nCSF_Run10

TA: 6:05 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

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System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	214
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP/I/FVA/SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_RETINO_Run1

TA: 4:32 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	156
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

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System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	156
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No

\DEV\LP/I/FVA/SCO\CERVEAU\nCSF\mbep2d_bold_PA_NSD_1p6_RETIN_RUN2

TA: 4:32 PM: FIX Voxel size: 1.8x1.8x1.8 mmPAT: 2 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	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Phase oversampling	0 %
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
TE	22.00 ms
Multi-band accel. factor	3
Filter	Raw filter
Coil elements	A32

Contrast - Common

TR	1600 ms
TE	22.00 ms
MTC	Off
Magn. preparation	None
Flip angle	62 deg
Fat suppr.	Fat sat.

Contrast - Dynamic

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	156
Delay in TR	0 ms
Multiple series	Off

Resolution - Common

FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
Base resolution	120
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Single-shot

Resolution - Filter Image

Distortion Corr.	Off
Prescan Normalize	Off

Resolution - Filter Rawdata

Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry - Common

Slice group	1
Slices	84
Dist. factor	0 %
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
FoV read	216 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1600 ms
Multi-slice mode	Interleaved
Series	Interleaved
Multi-band accel. factor	3

Geometry - AutoAlign

Slice group	1
Position	L2.1 P14.9 H22.6 mm
Orientation	T > C-18.5 > S-1.8
Phase enc. dir.	A >> P
AutoAlign	Head > Basis
Initial Position	L2.1 P14.9 H22.6
L	2.1 mm
P	14.9 mm
H	22.6 mm
Initial Rotation	-0.60 deg
Initial Orientation	T > C
T > C	-18.5
> S	-1.8

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	Head > Basis
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off

SIEMENS MAGNETOM Terra

System - Adjustments

Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L0.0 P0.0 H7.0 mm
! Orientation	Sagittal
! Rotation	0.00 deg
! A >> P	240 mm
! F >> H	200 mm
! R >> L	176 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.133657 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	1600 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	On
Spatial filter	Off
Measurements	156
Delay in TR	0 ms
Multiple series	Off

Sequence - Part 1

Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.68 ms
Bandwidth	1736 Hz/Px

Sequence - Part 2

EPI factor	120
Gradient mode	Fast*
RF spoiling	Off

Sequence - Special

Excite pulse duration	5120 us
Single-band images	Off
MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	On
SENSE1 coil combine	On
Invert RO/PE polarity	On
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
Fat saturation FA	110.0 deg
Physio recording	Off
Triggering scheme	Every Slice

Sequence - Part 1

Introduction	Off
Contrasts	1
Flow comp.	No