

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\trufi localizer 3-plane
 TA: 5.1 s PAT: Off Voxel size: 1.2x1.2x5.0 mm Rel. SNR: 1.00 SIEMENS: trufi

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	
Start measurements	single

Routine

Slice group 1	
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 2	
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Slice group 3	
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	300 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	3.9 ms
TE	1.95 ms
Averages	1
Filter	None
Coil elements	HEA;HEP

Contrast

TD	1000 ms
Magn. preparation	None
Flip angle	66 deg
Fat suppr.	None

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

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

PAT mode	None

Matrix Coil Mode

Matrix Coil Mode	Auto (CP)

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

Geometry

Multi-slice mode	Sequential
Series	Interleaved

System

Body	Off
HEP	On
HEA	On

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

Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Sagittal
Rotation	0.00 deg
F >> H	300 mm
A >> P	300 mm
R >> L	300 mm

Physio

1st Signal/Mode	None
Segments	1

Resp. control	Off

Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	Off
Dimension	2D
Reordering	Linear
Asymmetric echo	Off

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Bandwidth	930 Hz/Px
Flow comp.	No

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

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\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\tfl-multiecho-epinav-711-nomoco

TA: 5:18 PAT: 2 Voxel size: 1.0x1.0x1.0 mm Rel. SNR: 1.00 USER: WIP711_Moco\tfl_multiecho_epinav_71

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	1.00 mm
TR	2150 ms
TE 1	1.74 ms
TE 2	3.6 ms
TE 3	5.46 ms
TE 4	7.32 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	HEA;HEP

Contrast

Magn. preparation	Non-sel. IR
T1	1260 ms
Flip angle	7.0 deg
Fat suppr.	None
Water suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Accel. factor 3D	1
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Integrated

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

Geometry

Multi-slice mode	Single shot
Series	Interleaved

System

Body	Off
HEP	On
HEA	On

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

Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Sagittal
Rotation	0.00 deg
F >> H	256 mm
A >> P	256 mm
R >> L	176 mm

Physio

Dark blood	Off
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Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Sequence

Introduction	Off
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Contrasts	4
Bandwidth 1	651 Hz/Px
Bandwidth 2	651 Hz/Px
Bandwidth 3	651 Hz/Px

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Bandwidth 4	651 Hz/Px
Flow comp. 1	No
Flow comp. 2	No
Flow comp. 3	No
Flow comp. 4	No
Echo spacing	10 ms

RF pulse type	Fast
Gradient mode	Fast
Excitation	Non-sel.
RF spoiling	On

Readout polarity	Positive
Readout trajectory	Bipolar
Apply moco to	neither
Add. scale factor	2.0
Remeasure	0 TRs
Feedback Delay	80 ms
Moco Ref. Image	Use Temp Ref
Gradient spoiling	Integral
Gradient moment factor	2.5
Add. grad time	0.1 ms
Apply freq to	parent and nav
Partition order	Linear
Averaging	RMS Only

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\cmrr_mbep2d_diff_2mm_MB3

TA: 8:39 PAT: Off Voxel size: 1.8x1.8x1.8 mm Rel. SNR: 1.00 USER: cmrr_mbep2d_diff

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Slice group 1	
Slices	72
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	190 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	3245 ms
TE	83.8 ms
Multi-band accel. factor	3
Filter	None
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Refocus flip angle	180 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	104
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

PAT mode	None
Matrix Coil Mode	Auto (CP)

Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved

Special sat.

None

System

Body	Off
HEP	On
HEA	On

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
AutoAlign	---
Auto Coil Select	Default

Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	190 mm
A >> P	190 mm
F >> H	130 mm

Physio

1st Signal/Mode	None
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Diff

Diffusion mode	Free
Diff. weightings	1
b-value	1000 s/mm ²
Diff. weighted images	On
Trace weighted images	Off
Average ADC maps	Off
Individual ADC maps	Off
FA maps	Off
Mosaic	On
Tensor	Off
Noise level	40
Diff. directions	156

Sequence

Introduction	Off
Bandwidth	1780 Hz/Px
Echo spacing	0.69 ms

EPI factor	104
Gradient mode	Fast

Excite pulse duration	5120 us
Refocus pulse duration	8320 us
Diffusion Scheme	Monopolar
Single-band images	On
MB RF phase scramble	Off
Time-shifted MB RF	Off
SENSE1 coil combine	On
Log physiology to file	Off
Invert RO/PE polarity	Off
Online multi-band recon.	Online
FFT scale factor	1.00

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\svs_edit_529_ws_dorcing

TA: 8:40

Vol: 40 x30 x20 mm

Rel. SNR: 1.00

USER: svs_edit_529

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Position	R4.1 A44.9 H56.2
Orientation	T > C38.7 > S-10.6
Rotation	-0.45 deg
Vol A >> P	40 mm
Vol R >> L	30 mm
Vol F >> H	20 mm
TR	2000 ms
TE 1	68 ms
TE 2	68 ms
TE 3	68 ms
Averages	128
Filter	None
Coil elements	HEA;HEP

Contrast

Flip angle	90 deg
Water suppr.	Water sat.
Water suppr. BW	50 Hz
Measurements	1

Resolution

Prescan Normalize	Off
Vector size	2048
Matrix Coil Mode	Auto (CP)

Geometry

System

Body	Off
HEP	On
HEA	On
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
AutoAlign	---
Auto Coil Select	Default
Shim mode	Advanced
Adj. water suppr.	On
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off

? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R4.1 A44.9 H56.2
Orientation	T > C38.7 > S-10.6
Rotation	89.55 deg
A >> P	40 mm
R >> L	30 mm
F >> H	20 mm

Physio

1st Signal/Mode	None
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Sequence

Preparation scans	4
Delta frequency	-1.7 ppm
Phase cycling	Auto
Bandwidth	1500 Hz
Acquisition duration	1365 ms
Remove oversampling	On
-----	-----
Edit Pulse Frequency	1.90 ppm
Edit Pulse Bandwidth	44 Hz
Edit Center Frequency	4.70 ppm

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\svs_edit_529_nws_dorcing

TA: 0:40

Vol: 40 x30 x20 mm

Rel. SNR: 1.00

USER: svs_edit_529

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Position	R4.1 A44.9 H56.2
Orientation	T > C38.7 > S-10.6
Rotation	-0.45 deg
Vol A >> P	40 mm
Vol R >> L	30 mm
Vol F >> H	20 mm
TR	2000 ms
TE 1	68 ms
TE 2	68 ms
TE 3	68 ms
Averages	8
Filter	Prescan Normalize
Coil elements	HEA;HEP

Contrast

Flip angle	90 deg
Water suppr.	None
Measurements	1

Resolution

Prescan Normalize	On
Vector size	2048
Matrix Coil Mode	Auto (CP)
Unfiltered images	Off

Geometry

System

Body	Off
HEP	On
HEA	On
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
AutoAlign	---
Auto Coil Select	Default
Shim mode	Advanced
Adj. water suppr.	On
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off

? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	R0.2 A52.9 H28.3
! Orientation	T > C32.6
! Rotation	90.00 deg
! A >> P	40 mm
! R >> L	30 mm
! F >> H	20 mm

Physio

1st Signal/Mode	None
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Sequence

Preparation scans	4
Delta frequency	-1.7 ppm
Phase cycling	Auto
Bandwidth	1500 Hz
Acquisition duration	1365 ms
Remove oversampling	On
-----	-----
Edit Pulse Frequency	1.90 ppm
Edit Pulse Bandwidth	44 Hz
Edit Center Frequency	4.70 ppm

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\Lt Hippo SV WS

TA: 4:50 Vol: 30 x12 x12 mm Rel. SNR: 1.00 SIEMENS: sv_s_se

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Position	L28.8 A1.2 H15.4
Orientation	T > C38.4 > S0.2
Rotation	-11.36 deg
Vol A >> P	30 mm
Vol R >> L	12 mm
Vol F >> H	12 mm
TR	2200 ms
TE	30 ms
Averages	128
Filter	None
Coil elements	HEA;HEP

Contrast

Flip angle	90 deg
Water suppr.	Water sat.
Water suppr. BW	70 Hz
Spectral suppr.	None
Measurements	1

Resolution

Prescan Normalize	Off
Vector size	2048
Matrix Coil Mode	Auto (CP)

Geometry

System

Body	Off
HEP	On
HEA	On
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
AutoAlign	---
Auto Coil Select	Default
Shim mode	Advanced
Adj. water suppr.	Off
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V

Adjustment Tolerance	Auto
Adjust volume	
Position	L28.8 A1.2 H15.4
Orientation	T > C38.4 > S0.2
Rotation	78.64 deg
A >> P	30 mm
R >> L	12 mm
F >> H	12 mm

Physio

1st Signal/Mode	None
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Sequence

Preparation scans	4
Delta frequency	-3.4 ppm
Phase cycling	Auto
Bandwidth	1500 Hz
Acquisition duration	1365 ms
Remove oversampling	Off

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\Lt Hippo SV NWS

TA: 0:11

Vol: 30 x12 x12 mm

Rel. SNR: 1.00

SIEMENS: sv_s_se

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Position	L28.8 A1.2 H15.4
Orientation	T > C38.4 > S0.2
Rotation	-11.36 deg
Vol A >> P	30 mm
Vol R >> L	12 mm
Vol F >> H	12 mm
TR	2200 ms
TE	30 ms
Averages	1
Filter	None
Coil elements	HEA;HEP

Contrast

Flip angle	90 deg
Water suppr.	None
Spectral suppr.	None
Measurements	1

Resolution

Prescan Normalize	Off
Vector size	2048
Matrix Coil Mode	Auto (CP)

Geometry

System

Body	Off
HEP	On
HEA	On
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
AutoAlign	---
Auto Coil Select	Default
Shim mode	Advanced
Adj. water suppr.	Off
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto

Adjust volume

Position	L28.8 A1.2 H15.4
Orientation	T > C38.4 > S0.2
Rotation	78.64 deg
A >> P	30 mm
R >> L	12 mm
F >> H	12 mm

Physio

1st Signal/Mode	None
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Sequence

Preparation scans	4
Delta frequency	-3.4 ppm
Phase cycling	Auto
Bandwidth	1500 Hz
Acquisition duration	1365 ms
Remove oversampling	Off

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\Rt Hippo SV WS

TA: 4:50 Vol: 30 x12 x12 mm Rel. SNR: 1.00 SIEMENS: sv_s_se

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Position	R29.5 A7.4 H2.3
Orientation	T > C21.7 > S0.7
Rotation	-3.07 deg
Vol A >> P	30 mm
Vol R >> L	12 mm
Vol F >> H	12 mm
TR	2200 ms
TE	30 ms
Averages	128
Filter	None
Coil elements	HEA;HEP

Contrast

Flip angle	90 deg
Water suppr.	Water sat.
Water suppr. BW	70 Hz
Spectral suppr.	None
Measurements	1

Resolution

Prescan Normalize	Off
Vector size	2048
Matrix Coil Mode	Auto (CP)

Geometry

System

Body	Off
HEP	On
HEA	On
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
AutoAlign	---
Auto Coil Select	Default
Shim mode	Advanced
Adj. water suppr.	Off
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V

Adjustment Tolerance

Adjust volume	Auto
Position	R29.5 A7.4 H2.3
Orientation	T > C21.7 > S0.7
Rotation	86.93 deg
A >> P	30 mm
R >> L	12 mm
F >> H	12 mm

Physio

1st Signal/Mode	None
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Sequence

Preparation scans	4
Delta frequency	-3.4 ppm
Phase cycling	Auto
Bandwidth	1500 Hz
Acquisition duration	1365 ms
Remove oversampling	Off

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\Rt Hippo SV NWS

TA: 0:11 Vol: 30 x12 x12 mm Rel. SNR: 1.00 SIEMENS: sv_s_se

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Adjust volume

Position	R29.5 A7.4 H2.3
Orientation	T > C21.7 > S0.7
Rotation	86.93 deg
A >> P	30 mm
R >> L	12 mm
F >> H	12 mm

Physio

1st Signal/Mode	None
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Sequence

Preparation scans	4
Delta frequency	-3.4 ppm
Phase cycling	Auto
Bandwidth	1500 Hz
Acquisition duration	1365 ms
Remove oversampling	Off

Routine

Position	R29.5 A7.4 H2.3
Orientation	T > C21.7 > S0.7
Rotation	-3.07 deg
Vol A >> P	30 mm
Vol R >> L	12 mm
Vol F >> H	12 mm
TR	2200 ms
TE	30 ms
Averages	1
Filter	None
Coil elements	HEA;HEP

Contrast

Flip angle	90 deg
Water suppr.	None
Spectral suppr.	None
Measurements	1

Resolution

Prescan Normalize	Off
Vector size	2048
Matrix Coil Mode	Auto (CP)

Geometry

System

Body	Off
HEP	On
HEA	On
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
AutoAlign	---
Auto Coil Select	Default
Shim mode	Advanced
Adj. water suppr.	Off
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\ep2d_pcasl_UI_PHC_1200ms_20S

TA: 6:50 PAT: Off Voxel size: 2.0x2.0x5.0 mm Rel. SNR: 1.00 USER: ep2d_pcasl_UI_PHC

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Slice group 1	
Slices	20
Dist. factor	20 %
Position	R3.1 A10.9 H31.8
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	5000 ms
TE	27 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	HEA;HEP

Contrast

MTC	Off
Flip angle	90 deg
Fat suppr.	Fat sat.

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	80
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off

PAT mode	None
Matrix Coil Mode	Auto (CP)

Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending

Special sat.	None

System

Body	Off
HEP	On
HEA	On

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
AutoAlign	---
Auto Coil Select	Default

Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R3.1 A10.9 H31.8
Orientation	Transversal
Rotation	0.00 deg
R >> L	256 mm
A >> P	256 mm
F >> H	119 mm

Physio

1st Signal/Mode	None
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BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Starting ignore meas	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
Interpolation	3D-K-space
Spatial filter	Off

Sequence

SIEMENS MAGNETOM TrioTim syngo MR B17

Introduction	Off
Bandwidth	1954 Hz/Px
Free echo spacing	Off
Echo spacing	0.69 ms

EPI factor	128
RF pulse type	Normal
Gradient mode	Fast

CASL Method	Multi-slice
Label Offset	90 mm
Post Label Delay	1200000 us
Num RF Blocks	82
RF GAP	360 us
Crusher Gradient	0 s/mm ²
mean Gz x10	6 mT/m
phi adjust	100 percent

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\KNARRGROUP\MultiBand\LavretskyMultiBand\cmrr_mbep2d_bold_2mm_MB6_TR1sec

TA: 5:52 PAT: Off Voxel size: 1.8x1.8x1.8 mm Rel. SNR: 1.00 USER: cmrr_mbep2d_bold

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	On
Start measurements	single

Routine

Slice group 1	
Slices	78
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	212 mm
FoV phase	100.0 %
Slice thickness	1.80 mm
TR	1240 ms
TE	38.2 ms
Multi-band accel. factor	6
Filter	None
Coil elements	HEA;HEP

Contrast

MTC	Off
Magn. preparation	None
Flip angle	65 deg
Fat suppr.	Fat sat.

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	275
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	118
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off

PAT mode	None
Matrix Coil Mode	Auto (CP)

Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved

Special sat.	None

System

Body	Off
HEP	On
HEA	On

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
AutoAlign	---
Auto Coil Select	Default

Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	212 mm
A >> P	212 mm
F >> H	141 mm

Physio

1st Signal/Mode	None
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BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Starting ignore meas	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Active
Motion correction	Off
Spatial filter	Off

Sequence

Introduction	Off
Bandwidth	1842 Hz/Px
Echo spacing	0.69 ms

EPI factor	118
Gradient mode	Fast

Excite pulse duration	7000 us
Single-band images	On
MB RF phase scramble	Off
SENSE1 coil combine	Off
Log physiology to file	Off
Invert RO/PE polarity	Off
Online multi-band recon.	Online
FFT scale factor	1.00
Triggering scheme	Standard
Starting ignore meas	0
Paradigm size	2
Multiplier	1

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Step [1]	1
Step [2]	0

Table of contents

\\USER	KNARRGROUP	
	MultiBand	
		LavretskyMultiBand
		trufi localizer 3-plane
		tfl-multiecho-epinav-711-nomoco
		Pause wait for complete reconstruction
		cmrr_mbep2d_diff_2mm_MB3
		Pause_recon
		svs_edit_529_ws_dorcing
		svs_edit_529_nws_dorcing
		Pause to Talk to Subject
		Lt Hippo SV WS
		Lt Hippo SV NWS
		Rt Hippo SV WS
		Rt Hippo SV NWS
		Pause turn movie off
		ep2d_pcasl_UI_PHC_1200ms_20S
		cmrr_mbep2d_bold_2mm_MB6_TR1sec
		Pause_recon_10mins