

SIEMENS MAGNETOM TrioTim syngo MR 2006T

\\USER\INVESTIGATORS\HST_583\PhysicsClass\epi_5x5x5_signal

TA: 1:44 PAT: Off Voxel size: 5.0x5.0x5.0 [mm] Rel. SNR: 1.00 USER: benner\ep2d_bold_MGH_pro_tb

Routine

Slice group 1	
Slices	9
Dist. factor	0 [%]
Position	R3.0 A0.3 H27.1 [mm]
Orientation	T > C-12.5
Phase enc. dir.	A >> P
Rotation	0.340792 [deg]
Phase oversampling	0 [%]
FoV read	240 [mm]
FoV phase	100.0 [%]
Slice thickness	5 [mm]
TR	2000 [ms]
TE	32 [ms]
Averages	1
Concatenations	1
Filter	None
Coil elements	HEA;HEP

Contrast

MTC	Off
Flip angle	90 [deg]
Reconstruction	Magnitude
Fat suppr.	Fat sat.
Measurements	50
Delay in TR	0 [ms]
Multiple series	Off

Resolution

Base resolution	48
Phase resolution	100 [%]
Phase partial Fourier	Off
Filter 1	
Raw filter	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None

System

Body	Off
HEP	On
HEA	On
Scan at current TP	Off
Scan region position	H
Scan region position	0 [mm]
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Ref. amplitude [1H]	240.360 [V]
Adjust volume	
Position	R3.0 A0.3 H27.1 [mm]
Orientation	T > C-12.5
Rotation	0.340792 [deg]

R >> L	240 [mm]
A >> P	240 [mm]
F >> H	45 [mm]

Physio

1st Signal/Mode	None
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BOLD

t-Test	0
Threshold	4.00
Window	Growing
Starting ignore meas	0
Paradigm size	1
Meas	Ignore
Motion correction	0
Spatial filter	0

Sequence

Introduction	Off
Averaging mode	Long term
Bandwidth	3472 [Hz/Px]
Free echo spacing	Off
Echo spacing	0.36 [ms]
EPI factor	48
RF pulse type	Normal
Gradient mode	Fast
Dummy Scans	2

SIEMENS MAGNETOM TrioTim syngo MR 2006T

\\USER\INVESTIGATORS\HST_583\PhysicsClass\epi_3x3x3_signal

TA: 1:44 PAT: Off Voxel size: 3.0x3.0x3.0 [mm] Rel. SNR: 1.00 USER: benner\ep2d_bold_MGH_pro_tb

Routine

Slice group 1	
Slices	9
Dist. factor	67 [%]
Position	R3.0 A0.3 H27.1 [mm]
Orientation	T > C-12.5
Phase enc. dir.	A >> P
Rotation	0.340792 [deg]
Phase oversampling	0 [%]
FoV read	192 [mm]
FoV phase	100.0 [%]
Slice thickness	3 [mm]
TR	2000 [ms]
TE	32 [ms]
Averages	1
Concatenations	1
Filter	None
Coil elements	HEA;HEP

Contrast

MTC	Off
Flip angle	90 [deg]
Reconstruction	Magnitude
Fat suppr.	Fat sat.
Measurements	50
Delay in TR	0 [ms]
Multiple series	Off

Resolution

Base resolution	64
Phase resolution	100 [%]
Phase partial Fourier	Off
Filter 1	
Raw filter	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None

System

Body	Off
HEP	On
HEA	On
Scan at current TP	Off
Scan region position	H
Scan region position	0 [mm]
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Ref. amplitude [1H]	240.360 [V]
Adjust volume	
Position	R3.0 A0.3 H27.1 [mm]
Orientation	T > C-12.5
Rotation	0.340792 [deg]

R >> L	192 [mm]
A >> P	192 [mm]
F >> H	44 [mm]

Physio

1st Signal/Mode	None
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BOLD

t-Test	0
Threshold	4.00
Window	Growing
Starting ignore meas	0
Paradigm size	1
Meas	Ignore
Motion correction	0
Spatial filter	0

Sequence

Introduction	Off
Averaging mode	Long term
Bandwidth	2520 [Hz/Px]
Free echo spacing	Off
Echo spacing	0.47 [ms]
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
Dummy Scans	2

SIEMENS MAGNETOM TrioTim syngo MR 2006T

\\USER\INVESTIGATORS\HST_583\PhysicsClass\epi_1.5x1.5x1.5_signal

TA: 1:44 PAT: Off Voxel size: 1.5x1.5x1.5 [mm] Rel. SNR: 1.00 USER: benner\ep2d_bold_MGH_pro_tb

Routine

Slice group 1	
Slices	9
Dist. factor	233 [%]
Position	R3.0 A0.3 H27.1 [mm]
Orientation	T > C-12.5
Phase enc. dir.	A >> P
Rotation	0.340792 [deg]
Phase oversampling	0 [%]
FoV read	192 [mm]
FoV phase	100.0 [%]
Slice thickness	1.5 [mm]
TR	2000 [ms]
TE	30 [ms]
Averages	1
Concatenations	1
Filter	None
Coil elements	HEA;HEP

Contrast

MTC	Off
Flip angle	90 [deg]
Reconstruction	Magnitude
Fat suppr.	Fat sat.
Measurements	50
Delay in TR	0 [ms]
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	100 [%]
Phase partial Fourier	5/8
Filter 1	
Raw filter	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Auto (CP)

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None

System

Body	Off
HEP	On
HEA	On
Scan at current TP	Off
Scan region position	H
Scan region position	0 [mm]
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Ref. amplitude [1H]	240.360 [V]
Adjust volume	
Position	R3.0 A0.3 H27.1 [mm]
Orientation	T > C-12.5
Rotation	0.340792 [deg]

R >> L	192 [mm]
A >> P	192 [mm]
F >> H	42 [mm]

Physio

1st Signal/Mode	None
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BOLD

t-Test	0
Threshold	4.00
Window	Growing
Starting ignore meas	0
Paradigm size	1
Meas	Ignore
Motion correction	0
Spatial filter	0

Sequence

Introduction	Off
Averaging mode	Long term
Bandwidth	1502 [Hz/Px]
Free echo spacing	Off
Echo spacing	0.75 [ms]
EPI factor	128
RF pulse type	Normal
Gradient mode	Fast
Dummy Scans	2