

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_M2Px2_OVS_flash_iso46_fmri

TA: 4:36

PAT: 2

Voxel size: 0.5x0.5x0.5 mm

Rel. SNR: 1.00

USER: ep2d_bold_OVS_flash

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

Slice group 1	
Slices	50
Dist. factor	50 %
Position	L1.2 P62.9 F15.8
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	147 mm
FoV phase	25.0 %
Slice thickness	0.45 mm
TR	4000 ms
TE	25 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B1-8

Contrast

MTC	Off
Flip angle	70 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	66
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	14
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending

Sat. region 1

Thickness	110 mm
Position	L0.0 A6.6 H0.0
Orientation	Coronal

Sat. region 2

Thickness	110 mm
Position	L0.0 P136.2 F35.7
Orientation	C > T14.7
Special sat.	None

Table position

Table position	H
Table position	0 mm
Inline Composing	Off

System

B1	On
B2	On
B3	On
B4	On
B5	On
B6	On
B7	On
B8	On
Positioning mode	FIX
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	L1.9 P57.5 F16.5
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	147 mm
! A >> P	54 mm
! F >> H	44 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

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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	Off
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Allowed
Bandwidth	782 Hz/Px
Free echo spacing	Off
Echo spacing	1.28 ms
<hr/>	
EPI factor	80
RF pulse type	Normal
Gradient mode	Normal
RF spoiling	On
<hr/>	
RF90 duration	7680
MB Number	2
DummyScan Number	1
FOV Shift Number	1
SkewType(1ff)	0
OVS flash(1on)	1
SER Number	1
Spoil factor	1
Skew Direction	1
Sat RF90 duration	2560
Dual On(1)	3
Echo Distance	1.00
MB Measurements	63
Ramp On	On

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_M2Px2_OVS_flash_iso55_fmri

TA: 4:36

PAT: 2

Voxel size: 0.5x0.5x0.6 mm

Rel. SNR: 1.00

USER: ep2d_bold_OVS_flash

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

Slice group 1	
Slices	50
Dist. factor	50 %
Position	L1.2 P51.0 F15.8
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	140 mm
FoV phase	50.0 %
Slice thickness	0.55 mm
TR	4000 ms
TE	28 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B1-8

Contrast

MTC	Off
Flip angle	70 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	66
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending

Sat. region 1

Thickness	110 mm
Position	L0.0 A33.7 H0.0
Orientation	Coronal

Sat. region 2

Thickness	110 mm
Position	L0.0 P136.2 F35.7
Orientation	C > T14.7
Special sat.	None

Table position

Table position	H
Table position	0 mm
Inline Composing	Off

System

B1	On
B2	On
B3	On
B4	On
B5	On
B6	On
B7	On
B8	On
Positioning mode	FIX
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	L1.9 P57.5 F16.5
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	147 mm
! A >> P	54 mm
! F >> H	44 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

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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	Off
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Allowed
Bandwidth	850 Hz/Px
Free echo spacing	Off
Echo spacing	1.07 ms
<hr/>	
EPI factor	128
RF pulse type	Normal
Gradient mode	Normal
RF spoiling	On
<hr/>	
RF90 duration	7680
MB Number	2
DummyScan Number	1
FOV Shift Number	1
SkewType(1ff)	0
OVS flash(1on)	1
SER Number	1
Spoil factor	1
Skew Direction	1
Sat RF90 duration	2560
Dual On(1)	3
Echo Distance	1.00
MB Measurements	63
Ramp On	On

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_M2P2f1_OVS_flash_iso75-tSnr

TA: 4:36

PAT: 2

Voxel size: 0.8x0.8x0.8 mm

Rel. SNR: 1.00

USER: ep2d_bold_OVS_flash

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

Slice group 1	
Slices	50
Dist. factor	50 %
Position	L1.2 P42.0 F15.8
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	192 mm
FoV phase	50.0 %
Slice thickness	0.75 mm
TR	4000 ms
TE	27 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B1-8

Contrast

MTC	Off
Flip angle	70 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	66
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending

Sat. region 1

Thickness	110 mm
Position	L0.0 A53.4 H0.0
Orientation	Coronal

Sat. region 2

Thickness	110 mm
Position	L0.0 P136.2 F35.7
Orientation	C > T14.7
Special sat.	None

Table position

Table position	H
Table position	0 mm
Inline Composing	Off

System

B1	On
B2	On
B3	On
B4	On
B5	On
B6	On
B7	On
B8	On
Positioning mode	FIX
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	L1.9 P57.5 F16.5
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	147 mm
! A >> P	54 mm
! F >> H	44 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

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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	Off
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Off
Bandwidth	1086 Hz/Px
Free echo spacing	Off
Echo spacing	1.05 ms
<hr/>	
EPI factor	128
RF pulse type	Normal
Gradient mode	Fast
RF spoiling	On
<hr/>	
RF90 duration	7680
MB Number	2
DummyScan Number	1
FOV Shift Number	1
SkewType(1ff)	0
OVS flash(1on)	1
SER Number	1
Spoil factor	1
Skew Direction	1
Sat RF90 duration	2560
Dual On(1)	3
Echo Distance	1.00
MB Measurements	63
Ramp On	On

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_M2Px2_OVS_flash_iso46_tsnr

TA: 1:44

PAT: 2

Voxel size: 0.5x0.5x0.5 mm

Rel. SNR: 1.00

USER: ep2d_bold_OVS_flash

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

Slice group 1	
Slices	50
Dist. factor	50 %
Position	L1.2 P57.5 H14.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	147 mm
FoV phase	25.0 %
Slice thickness	0.45 mm
TR	4000 ms
TE	25 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	E01-20

Contrast

MTC	Off
Flip angle	70 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	23
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	18
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending

Sat. region 1

Thickness	110 mm
Position	L0.0 A12.7 H0.0
Orientation	Coronal

Sat. region 2

Thickness	110 mm
Position	L0.0 P136.2 F35.7
Orientation	C > T14.7
Special sat.	None

Table position

Table position	H
Table position	0 mm
Inline Composing	Off

System

E17	On
E18	On
E19	On
E20	On
E01	On
E02	On
E03	On
E04	On
E05	On
E06	On
E07	On
E08	On
E09	On
E10	On
E11	On
E12	On
E13	On
E14	On
E15	On
E16	On

Positioning mode

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

Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L1.9 P47.3 H12.0
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	147 mm
! A >> P	54 mm
! F >> H	44 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

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

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	Off
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Allowed
Bandwidth	782 Hz/Px
Free echo spacing	Off
Echo spacing	1.28 ms

EPI factor	80
RF pulse type	Normal
Gradient mode	Normal
RF spoiling	On

RF90 duration	7680
MB Number	2
DummyScan Number	1
FOV Shift Number	1
SkewType(1ff)	0
OVS flash(1on)	1
SER Number	1
Spoil factor	1
Skew Direction	1
Sat RF90 duration	2560
Dual On(1)	3
Echo Distance	1.00
MB Measurements	20
Ramp On	On

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_M2P2f1_OVS_flash_iso75-tSnr

TA: 1:44

PAT: 2

Voxel size: 0.8x0.8x0.8 mm

Rel. SNR: 1.00

USER: ep2d_bold_OVS_flash

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

Slice group 1	
Slices	50
Dist. factor	50 %
Position	L1.2 P32.5 H14.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	192 mm
FoV phase	50.0 %
Slice thickness	0.75 mm
TR	4000 ms
TE	27 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	E01-20

Contrast

MTC	Off
Flip angle	70 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	23
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending

Sat. region 1

Thickness	110 mm
Position	L0.0 A64.3 H0.0
Orientation	Coronal

Sat. region 2

Thickness	110 mm
Position	L0.0 P136.2 F35.7
Orientation	C > T14.7
Special sat.	None

Table position

Table position	H
Table position	0 mm
Inline Composing	Off

System

E17	On
E18	On
E19	On
E20	On
E01	On
E02	On
E03	On
E04	On
E05	On
E06	On
E07	On
E08	On
E09	On
E10	On
E11	On
E12	On
E13	On
E14	On
E15	On
E16	On

Positioning mode

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

Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L1.9 P47.3 H12.0
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	147 mm
! A >> P	54 mm
! F >> H	44 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

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

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	Off
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Off
Bandwidth	1086 Hz/Px
Free echo spacing	Off
Echo spacing	1.05 ms

EPI factor	128
RF pulse type	Normal
Gradient mode	Fast
RF spoiling	On

RF90 duration	7680
MB Number	2
DummyScan Number	1
FOV Shift Number	1
SkewType(1ff)	0
OVS flash(1on)	1
SER Number	1
Spoil factor	1
Skew Direction	1
Sat RF90 duration	2000
Dual On(1)	3
Echo Distance	1.00
MB Measurements	20
Ramp On	On

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_M2Px2_OVS_flash_iso55_fmri

TA: 1:44

PAT: 2

Voxel size: 0.5x0.5x0.6 mm

Rel. SNR: 1.00

USER: ep2d_bold_OVS_flash

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

Slice group 1	
Slices	50
Dist. factor	50 %
Position	L1.2 P50.5 H14.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	140 mm
FoV phase	50.0 %
Slice thickness	0.55 mm
TR	4000 ms
TE	28 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	E01-20

Contrast

MTC	Off
Flip angle	70 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	23
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending

Sat. region 1

Thickness	110 mm
Position	L0.0 A33.7 H0.0
Orientation	Coronal

Sat. region 2

Thickness	110 mm
Position	L0.0 P136.2 F35.7
Orientation	C > T14.7
Special sat.	None

Table position	H
Table position	0 mm
Inline Composing	Off

System

E17	On
E18	On
E19	On
E20	On
E01	On
E02	On
E03	On
E04	On
E05	On
E06	On
E07	On
E08	On
E09	On
E10	On
E11	On
E12	On
E13	On
E14	On
E15	On
E16	On

Positioning mode	FIX
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	L1.9 P47.3 H12.0
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	147 mm
! A >> P	54 mm
! F >> H	44 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

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

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	Off
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Allowed
Bandwidth	850 Hz/Px
Free echo spacing	Off
Echo spacing	1.07 ms

EPI factor	128
RF pulse type	Normal
Gradient mode	Normal
RF spoiling	On

RF90 duration	7680
MB Number	2
DummyScan Number	1
FOV Shift Number	1
SkewType(1ff)	0
OVS flash(1on)	1
SER Number	1
Spoil factor	1
Skew Direction	1
Sat RF90 duration	2000
Dual On(1)	3
Echo Distance	1.00
MB Measurements	20
Ramp On	On

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_M2P2f1_iso75-tsnr

TA: 1:44 PAT: 2 Voxel size: 0.8x0.8x0.8 mm Rel. SNR: 1.00 USER: ep2d_bold_OVS_flash

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

Slice group 1	
Slices	50
Dist. factor	50 %
Position	L1.2 P44.0 F11.7
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	192 mm
FoV phase	50.0 %
Slice thickness	0.75 mm
TR	4000 ms
TE	27 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B1-8

Contrast

MTC	Off
Flip angle	70 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	23
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending

Sat. region 1

Thickness	110 mm
Position	L0.0 A52.7 H0.0
Orientation	Coronal

Sat. region 2

Thickness	110 mm
Position	L0.0 P136.2 F35.7
Orientation	C > T14.7
Special sat.	None

Table position	H
Table position	0 mm
Inline Composing	Off

System

B1	On
B2	On
B3	On
B4	On
B5	On
B6	On
B7	On
B8	On

Positioning mode	FIX
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	L1.9 P47.3 F13.1
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	147 mm
! A >> P	54 mm
! F >> H	44 mm

Physio

1st Signal/Mode	None
-----------------	------

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

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

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	Off
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Off
Bandwidth	1086 Hz/Px
Free echo spacing	Off
Echo spacing	1.05 ms
<hr/>	
EPI factor	128
RF pulse type	Normal
Gradient mode	Fast
RF spoiling	On
<hr/>	
RF90 duration	7680
MB Number	2
DummyScan Number	1
FOV Shift Number	1
SkewType(1ff)	0
OVS flash(1on)	1
SER Number	1
Spoil factor	1
Skew Direction	1
Sat RF90 duration	2000
Dual On(1)	3
Echo Distance	1.00
MB Measurements	20
Ramp On	On

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_M2Px2_iso55_tsnr

TA: 1:44

PAT: 2

Voxel size: 0.5x0.5x0.6 mm

Rel. SNR: 1.00

USER: ep2d_bold_OVS_flash

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

Slice group 1	
Slices	50
Dist. factor	50 %
Position	L1.2 P54.0 F11.7
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	140 mm
FoV phase	50.0 %
Slice thickness	0.55 mm
TR	4000 ms
TE	28 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B1-8

Contrast

MTC	Off
Flip angle	70 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	23
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending

Sat. region 1

Thickness	110 mm
Position	L0.0 A30.4 H0.0
Orientation	Coronal

Sat. region 2

Thickness	110 mm
Position	L0.0 P136.2 F35.7
Orientation	C > T14.7
Special sat.	None

Table position	H
Table position	0 mm
Inline Composing	Off

System

B1	On
B2	On
B3	On
B4	On
B5	On
B6	On
B7	On
B8	On

Positioning mode	FIX
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	L1.9 P47.3 F13.1
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	147 mm
! A >> P	54 mm
! F >> H	44 mm

Physio

1st Signal/Mode	None
-----------------	------

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

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

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	Off
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Allowed
Bandwidth	850 Hz/Px
Free echo spacing	Off
Echo spacing	1.07 ms
<hr/>	
EPI factor	128
RF pulse type	Normal
Gradient mode	Normal
RF spoiling	On
<hr/>	
RF90 duration	7680
MB Number	2
DummyScan Number	1
FOV Shift Number	1
SkewType(1ff)	0
OVS flash(1on)	1
SER Number	1
Spoil factor	1
Skew Direction	1
Sat RF90 duration	2560
Dual On(1)	3
Echo Distance	1.00
MB Measurements	20
Ramp On	On

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_M2Px2_iso46_tsnr

TA: 1:44 PAT: 2 Voxel size: 0.5x0.5x0.5 mm Rel. SNR: 1.00 USER: ep2d_bold_OVS_flash

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

Slice group 1	
Slices	50
Dist. factor	50 %
Position	L1.2 P65.0 F11.7
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	147 mm
FoV phase	25.0 %
Slice thickness	0.45 mm
TR	4000 ms
TE	25 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B1-8

Contrast

MTC	Off
Flip angle	70 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	23
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	14
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending

Sat. region 1

Thickness	110 mm
Position	L0.0 A5.3 H0.0
Orientation	Coronal

Sat. region 2

Thickness	110 mm
Position	L0.0 P136.2 F35.7
Orientation	C > T14.7
Special sat.	None

Table position	H
Table position	0 mm
Inline Composing	Off

System

B1	On
B2	On
B3	On
B4	On
B5	On
B6	On
B7	On
B8	On

Positioning mode	FIX
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	L1.9 P47.3 F13.1
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	147 mm
! A >> P	54 mm
! F >> H	44 mm

Physio

1st Signal/Mode	None
-----------------	------

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

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

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	Off
Spatial filter	Off

Sequence

Introduction	Off
Asymmetric echo	Allowed
Bandwidth	782 Hz/Px
Free echo spacing	Off
Echo spacing	1.28 ms
<hr/>	
EPI factor	80
RF pulse type	Normal
Gradient mode	Normal
RF spoiling	On
<hr/>	
RF90 duration	7680
MB Number	2
DummyScan Number	1
FOV Shift Number	1
SkewType(1ff)	0
OVS flash(1on)	1
SER Number	1
Spoil factor	1
Skew Direction	1
Sat RF90 duration	2560
Dual On(1)	3
Echo Distance	1.00
MB Measurements	20
Ramp On	On

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_bold_sms3p3_mgh_v22-iso1_6

TA: 0:43 PAT: 3 Voxel size: 1.6x1.6x1.6 mm Rel. SNR: 1.00 USER: ep2d_bold_sms_mgh_v22

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

Slice group 1	
Slices	81
Dist. factor	0 %
Position	L0.0 A16.9 H39.3
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	1.6 mm
TR	1311 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	60 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	5
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	36
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved

Special sat. None

Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off

Positioning mode	FIX
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	L0.7 A21.7 H51.5
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	124 mm
! A >> P	141 mm
! F >> H	64 mm

Physio

1st Signal/Mode	None
-----------------	------

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	15
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
Motion correction	Off
Spatial filter	Off

Sequence

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

Introduction	Off
Bandwidth	1954 Hz/Px
Free echo spacing	Off
Echo spacing	0.62 ms
<hr/>	
EPI factor	128
RF pulse type	Normal
Gradient mode	Fast
<hr/>	
Dummy Scans	4
Dummy Scans	4
SMS Factor	3
RF Clip	0
VERSE Factor	2.25
SMS Shift	3
Kernel Size	5x5
Compression Factor	1.00

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_bold_sms3p3_mgh_v22_iso0_8

TA: 0:42 PAT: 3 Voxel size: 0.9x0.9x0.8 mm Rel. SNR: 1.00 USER: ep2d_bold_sms_mgh_v22

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

Slice group 1	
Slices	39
Dist. factor	200 %
Position	L0.0 A20.3 H42.7
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	220 mm
FoV phase	81.3 %
Slice thickness	0.8 mm
TR	1000 ms
TE	20 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	60 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	15
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	5/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	36
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved

Special sat. None

Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
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	L0.7 A21.7 H51.5
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	124 mm
! A >> P	141 mm
! F >> H	64 mm

Physio

1st Signal/Mode None

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	15
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
Motion correction	Off
Spatial filter	Off

Sequence

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

Introduction	Off
Bandwidth	976 Hz/Px
Free echo spacing	Off
Echo spacing	1.15 ms
<hr/>	
EPI factor	208
RF pulse type	Normal
Gradient mode	Fast
<hr/>	
Dummy Scans	4
Dummy Scans	4
SMS Factor	3
RF Clip	0
VERSE Factor	2.25
SMS Shift	3
Kernel Size	5x5
Compression Factor	1.00

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\ep2d_diff_SliceAcc2p3_v3-iso1_6

TA: 1:18

PAT: 3

Voxel size: 1.6x1.6x1.6 mm

Rel. SNR: 1.00

USER: ep2d_diff_SliceAcc_v3

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

Slice group 1	
Slices	58
Dist. factor	0 %
Position	R9.5 A25.1 H56.9
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	1.6 mm
TR	6000 ms
TE	76 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	36
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None

Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
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	L0.7 A21.7 H51.5
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	124 mm
! A >> P	141 mm
! F >> H	64 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Diff

Diffusion mode	MDDW
Diff. weightings	2
b-value 1	0 s/mm ²
b-value 2	2000 s/mm ²
Diff. weighted images	On
Trace weighted images	On
Average ADC maps	On
Individual ADC maps	Off
FA maps	On
Mosaic	On
Tensor	On
Noise level	40
Diff. directions	6

Sequence

Introduction	Off
Bandwidth	1860 Hz/Px
Free echo spacing	Off
Echo spacing	0.64 ms
EPI factor	128
RF pulse type	Low SAR
Gradient mode	Fast
Slice acc. factor	2
RF clip	0
VERSE factor	2.82
PE shift factor	2

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

Fat sat. flip angle	70 deg
FFT factor	1.00

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\BP_grase_clean_sat

TA: 6.0 s PAT: 2 Voxel size: 0.7x0.7x1.0 mm Rel. SNR: 1.00 USER: BP_grase_clean_sat

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

Slab group 1	
Slabs	1
Dist. factor	0 %
Position	L0.0 P21.0 H59.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	25.0 %
Slices per slab	16
FoV read	205 mm
FoV phase	17.9 %
Slice thickness	1.0 mm
TR	3000 ms
TE	52.54 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

Flip angle	180 deg
Fat suppr.	Fat sat.
Fat sat. mode	Strong
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	312
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	On
PAT mode	mSENSE
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	28 mm

Position	L0.0 P20.8 H0.0
Orientation	Coronal
Special sat.	None

Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	REF
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	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	L0.0 P21.0 H59.0
Orientation	Transversal
Rotation	0.00 deg
R >> L	205 mm
A >> P	37 mm
F >> H	16 mm

Physio

1st Signal/Mode	None
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Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Asymmetric echo	Off
Contrasts	1
Bandwidth	890 Hz/Px
Echo spacing	1.3 ms
Turbo factor	10
EPI factor	56
RF pulse type	Normal
Gradient mode	Fast
refocussing type	sinc 2560
flip angle excit	90
Crusher Momentum	70000
Crusher Time	2000
phase encoding	ON
Maxwell compensation	Off
ICE program	single
prepsans	0
Refocusing Duration	10240

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Test\0520AB\BP_grase_clean_sat_sp

TA: 9.0 s PAT: Off Voxel size: 0.8x0.8x0.8 mm Rel. SNR: 1.00 USER: BP_grase_clean_sat

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

Slab group 1	
Slabs	1
Dist. factor	0 %
Position	L0.0 P21.0 H59.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	16.7 %
Slices per slab	12
FoV read	120 mm
FoV phase	31.3 %
Slice thickness	0.8 mm
TR	3000 ms
TE	62.32 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

Flip angle	180 deg
Fat suppr.	Fat sat.
Fat sat. mode	Strong
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	3
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Multiple series	Off

Resolution

Base resolution	160
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	On
PAT mode	None
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	25 mm
Position	L0.0 P20.8 H0.0

Orientation Coronal
Special sat. None

Table position H
Table position 0 mm
Inline Composing Off

System

T1 On
M2 On
B4 On
M3 On
V32 Off
Positioning mode FIX
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 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 L0.0 P21.0 H59.0
! Orientation Transversal
! Rotation 0.00 deg
! R >> L 205 mm
! A >> P 37 mm
! F >> H 16 mm

Physio

1st Signal/Mode None

Composing

Sequence

Introduction Off
Dimension 3D
Reordering Centric
Asymmetric echo Allowed
Contrasts 1
Bandwidth 1302 Hz/Px
Echo spacing 1 ms

Turbo factor 14
EPI factor 50
RF pulse type Normal
Gradient mode Fast*

refocussing type sinc 2560
flip angle excit 90
Crusher Momentum 30000
Crusher Time 950
phase encoding ON
Maxwell compensation Off
ICE program single
prepsans 0
Refocusing Duration 7680

Table of contents

\\USER

Feinberglab
Test

0520AB

ep2d_M2Px2_OVS_flash_iso46_fmri
ep2d_M2Px2_OVS_flash_iso55_fmri
ep2d_M2P2f1_OVS_flash_iso75-tSnr
-----ep2d_M2Px2_OVS_flash_iso46_tsnr
ep2d_M2P2f1_OVS_flash_iso75-tSnr
ep2d_M2Px2_OVS_flash_iso55_fmri
-----ep2d_M2P2f1_iso75-tsnr
ep2d_M2Px2_iso55_tsnr
ep2d_M2Px2_iso46_tsnr
-----ep2d_bold_sms3p3_mgh_v22-iso1_6
ep2d_bold_sms3p3_mgh_v22_iso0_8
ep2d_diff_SliceAcc2p3_v3-iso1_6
-----BP_grase_clean_sat
BP_grase_clean_sat_sp
