\\USER\Feinberglab\Tanja\pgrs3d\pgrs3d_ey				
TA: 2.0 s	PAT: Off	Voxel size: 3.9×3.9×1.0 mm	Rel. SNR: 1.00	USER: pgrs3d_ey

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	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	6
FoV read	500 mm
FoV phase	100.0 %
Slice thickness	1.0 mm
TR	2000 ms
TE	102.3 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	T1

Contrast

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

Resolution

Base resolution	128
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	6/8
Interpolation	Off
PAT mode	None
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	66 mm
Position	Isocenter
Orientation	Transversal
Special sat.	None
Table position	H

Table position	0 mm
Inline Composing	Off

System

T1	On
M2	Off
B4	Off
M3	Off
V32	Off
Positioning mode	REF
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	Transversal
Rotation	0.00 deg
R >> L	500 mm
A >> P	500 mm
F >> H	6 mm

Physio

1st Signal/Mode	None

BOLD

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	1396 Hz/Px
Echo spacing	0.8 ms
Turbo factor	5
EPI factor	128
RF pulse type	Normal
Gradient mode	Fast
Adjust flipangles	Off
Crusher Momentum	10000
Crusher Time	550
FLIP ANGLES[1]	180 degrees
FLIP ANGLES[2]	180 degrees
FLIP ANGLES[3]	180 degrees
FLIP ANGLES[4]	180 degrees
FLIP ANGLES[5]	180 degrees
FLIP ANGLES[6]	180 degrees
FLIP ANGLES[7]	180 degrees
FLIP ANGLES[8]	180 degrees
FLIP ANGLES[9]	180 degrees
FLIP ANGLES[10]	180 degrees
FLIP ANGLES[11]	180 degrees
FLIP ANGLES[12]	180 degrees
FLIP ANGLES[13]	180 degrees

FLIP ANGLES[14]	180 degrees
FLIP ANGLES[15]	180 degrees
FLIP ANGLES[16]	180 degrees
FLIP ANGLES[17]	180 degrees
FLIP ANGLES[18]	180 degrees
FLIP ANGLES[19]	180 degrees
FLIP ANGLES[20]	180 degrees
FLIP ANGLES[21]	180 degrees
FLIP ANGLES[22]	180 degrees
FLIP ANGLES[23]	180 degrees
FLIP ANGLES[24]	180 degrees
FLIP ANGLES[25]	180 degrees
FLIP ANGLES[26]	180 degrees
FLIP ANGLES[27]	180 degrees
FLIP ANGLES[28]	180 degrees
FLIP ANGLES[29]	180 degrees
FLIP ANGLES[30]	180 degrees
FLIP ANGLES[31]	180 degrees
FLIP ANGLES[32]	180 degrees
Phase Encoding	On
Measurement Number	0
Inversion Time	1500000 us
Inversion Flag	Off

\\USER\Feinberglab\Tanja\pgrs3d\pgrs3d_ey_20180816				
TA: 8.0 s	PAT: Off	Voxel size: 0.8×0.8×0.8 mm	Rel. SNR: 1.00	USER: pgrs3d_ey_20180816

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	R20.9 P31.0 H0.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	10
FoV read	96 mm
FoV phase	25.0 %
Slice thickness	0.80 mm
TR	2000 ms
TE	35.67 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

Flip angle 1	90 deg
Flip angle 2	180 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	4
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Multiple series	Off

Resolution

Base resolution	120
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	5/8
Interpolation	Off
PAT mode	None
Raw filter	Off

Geometry

Series	Ascending
Sat. region 1	
Thickness	24 mm
Position	R20.9 P31.0 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	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	100.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R20.9 P31.0 H0.0
Orientation	Transversal
Rotation	0.00 deg
R >> L	96 mm
A >> P	24 mm
F >> H	8 mm

Physio

1st Signal/Mode	None

BOLD

Motion correction	Off
Spatial filter	Off

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	1158 Hz/Px
Echo spacing	1.01 ms
Slice turbo factor	6
EPI factor	30
RF pulse type	Normal
Gradient mode	Fast
Adjust flipangles	Off
FLIP ANGLES[1]	180 deg
FLIP ANGLES[2]	180 deg
FLIP ANGLES[3]	180 deg
FLIP ANGLES[4]	180 deg
FLIP ANGLES[5]	180 deg
FLIP ANGLES[6]	180 deg
Crusher Factor	1.00
Spoiler Factor	5.00
RF02 BWT Factor	1.00

RF02 time	2560 ms
RF Scaling[1]	1.00
Phase Encoding PE	On
Phase Encoding 3D	On
Measurement Number	1023
Inversion Flag	Off
FFT Scale Factor	1.00
ACROSSSEGMENTS	Off
PRIMARYMODE	On
AUTOCORR	Off
CROSSCORR	Off
FILTERED	On
FatSat FlipAngle	110 deg

\\USER\Feinberglab\Tanja\pgrs3d\pgrs3d_ey_20180816_p8mm

TA: 8.0 s   PAT: Off   Voxel size: 0.8×0.8×0.8 mm   Rel. SNR: 1.00   USER: pgrs3d_ey_20180816

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	R20.9 P31.0 H0.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	10
FoV read	96 mm
FoV phase	25.0 %
Slice thickness	0.80 mm
TR	2000 ms
TE	35.67 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

Flip angle 1	90 deg
Flip angle 2	180 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	4
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Multiple series	Off

Resolution

Base resolution	120
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	5/8
Interpolation	Off
PAT mode	None
Raw filter	Off

Geometry

Series	Ascending
Sat. region 1	
Thickness	24 mm
Position	R20.9 P31.0 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	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	100.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R20.9 P31.0 H0.0
Orientation	Transversal
Rotation	0.00 deg
R >> L	96 mm
A >> P	24 mm
F >> H	8 mm

Physio

1st Signal/Mode	None

BOLD

Motion correction	Off
Spatial filter	Off

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	1158 Hz/Px
Echo spacing	1.01 ms
Slice turbo factor	6
EPI factor	30
RF pulse type	Normal
Gradient mode	Fast
Adjust flipangles	Off
FLIP ANGLES[1]	180 deg
FLIP ANGLES[2]	180 deg
FLIP ANGLES[3]	180 deg
FLIP ANGLES[4]	180 deg
FLIP ANGLES[5]	180 deg
FLIP ANGLES[6]	180 deg
Crusher Factor	1.00
Spoiler Factor	5.00
RF02 BWT Factor	1.00

RF02 time	2560 ms
RF Scaling[1]	1.00
Phase Encoding PE	On
Phase Encoding 3D	On
Measurement Number	1023
Inversion Flag	Off
FFT Scale Factor	1.00
ACROSSSEGMENTS	Off
PRIMARYMODE	On
AUTOCORR	Off
CROSSCORR	Off
FILTERED	On
FatSat FlipAngle	110 deg

\\USER\Feinberglab\Tanja\pgrs3d\pgrs3d_ey_20180816_1mm

TA: 8.0 s   PAT: Off   Voxel size: 1.0×1.0×1.0 mm   Rel. SNR: 1.00   USER: pgrs3d_ey_20180816

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	R20.9 P31.0 H0.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	10
FoV read	120 mm
FoV phase	25.0 %
Slice thickness	1.00 mm
TR	2000 ms
TE	35.49 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

Flip angle 1	90 deg
Flip angle 2	180 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	4
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Multiple series	Off

Resolution

Base resolution	120
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	5/8
Interpolation	Off
PAT mode	None
Raw filter	Off

Geometry

Series	Ascending
Sat. region 1	
Thickness	24 mm
Position	R20.9 P31.0 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	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	100.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R20.9 P31.0 H0.0
Orientation	Transversal
Rotation	0.00 deg
R >> L	120 mm
A >> P	30 mm
F >> H	10 mm

Physio

1st Signal/Mode	None

BOLD

Motion correction	Off
Spatial filter	Off

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	1158 Hz/Px
Echo spacing	1.01 ms
Slice turbo factor	6
EPI factor	30
RF pulse type	Normal
Gradient mode	Fast
Adjust flipangles	Off
FLIP ANGLES[1]	180 deg
FLIP ANGLES[2]	180 deg
FLIP ANGLES[3]	180 deg
FLIP ANGLES[4]	180 deg
FLIP ANGLES[5]	180 deg
FLIP ANGLES[6]	180 deg
Crusher Factor	1.00
Spoiler Factor	5.00
RF02 BWT Factor	1.00

RF02 time	2560 ms
RF Scaling[1]	1.00
Phase Encoding PE	On
Phase Encoding 3D	On
Measurement Number	1023
Inversion Flag	Off
FFT Scale Factor	1.00
ACROSSSEGMENTS	Off
PRIMARYMODE	On
AUTOCORR	Off
CROSSCORR	Off
FILTERED	On
FatSat FlipAngle	110 deg

\\USER\Feinberglab\Tanja\pgrs3d\localizer_100V_newcoil

TA: 0:27   PAT: Off   Voxel size: 1.2×1.1×3.0 mm   Rel. SNR: 1.00   SIEMENS: gre

---

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	5
Dist. factor	20 %
Position	L0.0 A8.8 F17.5
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 2	
Slices	5
Dist. factor	20 %
Position	L0.0 P68.8 H0.7
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Slice group 3	
Slices	5
Dist. factor	20 %
Position	L0.0 P68.8 H0.7
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	280 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	10.0 ms
TE	3.00 ms
Averages	1
Concatenations	15
Filter	None
Coil elements	B1-8

Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	10 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	256
Phase resolution	90 %
Phase partial Fourier	6/8
Interpolation	On
PAT mode	None
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
Saturation mode	Standard
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off
Tim CT mode	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
Save uncombined	On
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Off
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
! Ref. amplitude 1H	100.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Physio

1st Signal/Mode	None
Segments	1
Tagging	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off
Liver registration	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
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
MapIt	None
Contrasts	1

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Bandwidth	320 Hz/Px
Flow comp.	No
RF pulse type	Normal
Gradient mode	Whisper
Excitation	Slice-sel.
RF spoiling	On

\\USER\Feinberglab\Tanja\pgrs3d\b1map_100V_8			
TA: 1:09	Voxel size: 3.9×3.9×5.0 mm	Rel. SNR: 1.00	USER: b1map_658

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	12
Dist. factor	100 %
Position	R0.7 A12.1 F2.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
FoV read	250 mm
FoV phase	100.0 %
Slice thickness	5 mm
TR	1000 ms
TE 1	14 ms
TE 2	14 ms
Averages	1
Filter	None
Coil elements	B1-8

Contrast

Flip angle 1	90 deg
Flip angle 2	120 deg
Flip angle 3	60 deg
Flip angle 4	135 deg
Flip angle 5	45 deg
Measurements	1

Resolution

Base resolution	64
Phase resolution	100 %
Raw filter	Off

Geometry

Series	Interleaved
Navigator 1	
Position	R9.4 P81.6 H0.7
Orientation	Transversal
Rotation	0.00 deg
Base size phase	23 mm
Base size read	50 mm
Thickness	50 mm
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
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Auto Coil Select	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
! Ref. amplitude 1H	100.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

Composing

Sequence

Contrasts	2
Bandwidth	260.416667 Hz/Px
T1 Compensation	Mean T1
Mean T1	1000.0 ms
Angles	1
Amplitude Weighting	Linear
Scale Bar	Enabled
Raw Data	Disabled

\\USER\Feinberglab\Tanja\pgrs3d\pgrs3d_ey_20180816_p8mm

TA: 5:09   PAT: Off   Voxel size: 0.8×0.8×0.8 mm   Rel. SNR: 1.00   USER: pgrs3d_ey_20180816

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	Off
segments	
Auto open inline display	Off
Start measurement without	On
further preparation	
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	0 %
Position	R6.7 P89.1 F12.8
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	10
FoV read	96 mm
FoV phase	25.0 %
Slice thickness	0.80 mm
TR	3000 ms
TE	36.67 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B1-8

Contrast

Flip angle 1	90 deg
Flip angle 2	180 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	103
Pause after meas.	0.0 s
Multiple series	Off

Resolution

Base resolution	120
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	5/8
Interpolation	Off
PAT mode	None
Raw filter	Off

Geometry

Series	Ascending
Sat. region 1	
Thickness	24 mm
Position	R6.7 P89.1 F12.8
Orientation	Coronal
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	REF
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	100.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R6.7 P89.1 F12.8
Orientation	Transversal
Rotation	0.00 deg
R >> L	96 mm
A >> P	24 mm
F >> H	8 mm

Physio

1st Signal/Mode	None

BOLD

Motion correction	Off
Spatial filter	Off

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	1158 Hz/Px
Echo spacing	1.01 ms
Slice turbo factor	6
EPI factor	30
RF pulse type	Normal
Gradient mode	Fast
Adjust flipangles	Off
FLIP ANGLES[1]	180 deg
FLIP ANGLES[2]	180 deg
FLIP ANGLES[3]	180 deg
FLIP ANGLES[4]	180 deg
FLIP ANGLES[5]	180 deg
FLIP ANGLES[6]	180 deg
Crusher Factor	7.00
Spoiler Factor	1.00
RF02 BWT Factor	1.00

RF02 time	2560 ms
RF Scaling[1]	1.00
Phase Encoding PE	On
Phase Encoding 3D	On
Measurement Number	1023
Inversion Flag	Off
FFT Scale Factor	0.10
ACROSSSEGMENTS	Off
PRIMARYMODE	On
AUTOCORR	Off
CROSSCORR	Off
FILTERED	On
FatSat FlipAngle	110 deg

\\USER\Feinberglab\Tanja\pgrs3d\BP_grase_clean_IV_0.8mm_SH	
TA: 0:00 PAT: Off Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: BP_grase_clean_IV_SH	

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	R6.1 P89.7 F7.4
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	10
FoV read	96 mm
FoV phase	25.0 %
Slice thickness	0.8 mm
TR	3000 ms
TE	40.94 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B1-8

Contrast

Magn. preparation	None
Flip angle	180 deg
Fat suppr.	Fat sat.
Fat sat. mode	Strong
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	103
Pause after meas.	0 s
Multiple series	Off

Resolution

Base resolution	120
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	5/8
Interpolation	Off
PAT mode	None
Prescan Normalize	Off
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	28 mm
Position	R6.1 P89.7 F7.4
Orientation	Coronal
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	REF
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	100.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	R6.1 P89.7 F7.4
Orientation	Transversal
Rotation	0.00 deg
R >> L	96 mm
A >> P	24 mm
F >> H	8 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	1158 Hz/Px
Turbo factor	6
EPI factor	128
RF pulse type	Normal
Gradient mode	Fast
refocussing type	sinc 2560
flip angle excit	90
phase encoding	ON
Maxwell compensation	Off
ICE program	single
prepscans	0
excite duration	0
refoc duration	0
excite BWTP	0
refoc BWTP	0

Opposite Polarity Crusher	Off
pre-crusher	0
post-crusher1	0
post-crusher2	0
post-crusher3	0
post-crusher4	0

\\USER\Feinberglab\Tanja\pgrs3d\BP_grase_clean_IV_1mm_SH_pf6

TA: 0:00   PAT: Off   Voxel size: 1.0×1.0×1.0 mm   Rel. SNR: 1.00   USER: BP_grase_clean_IV_SH

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 P36.4 F23.6
Orientation	T > C-42.6
Phase enc. dir.	A >> P
Rotation	0 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	8
FoV read	128 mm
FoV phase	25.0 %
Slice thickness	1 mm
TR	3000 ms
TE	41.02 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

Magn. preparation	None
Flip angle	180 deg
Fat suppr.	Fat sat.
Fat sat. mode	Strong
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	103
Pause after meas.	0 s
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	6/8
Interpolation	Off
PAT mode	None
Prescan Normalize	Off
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	32 mm
Position	L0.0 P36.4 F23.6
Orientation	C > T42.6
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	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	240.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L0.0 P36.4 F23.6
Orientation	T > C-42.6
Rotation	0.00 deg
R >> L	128 mm
A >> P	32 mm
F >> H	8 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	1148 Hz/Px
Turbo factor	6
EPI factor	128
RF pulse type	Normal
Gradient mode	Fast
refocussing type	sinc 2560
flip angle excit	90
phase encoding	ON
Maxwell compensation	Off
ICE program	single
prepscans	0
excite duration	0
refoc duration	0
excite BWTP	0
refoc BWTP	0
Opposite Polarity Crusher	Off
pre-crusher	0
post-crusher1	0

post-crusher2	0
post-crusher3	0
post-crusher4	0

\\USER\Feinberglab\Tanja\pgrs3d\pgrs3d_ey_20180816_1mm_pf6

TA: 5:09   PAT: Off   Voxel size: 1.0×1.0×1.0 mm   Rel. SNR: 1.00   USER: pgrs3d_ey_20180816

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 P36.4 F23.6
Orientation	T > C-42.6
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	8
FoV read	128 mm
FoV phase	25.0 %
Slice thickness	1.00 mm
TR	3000 ms
TE	38.88 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

Flip angle 1	90 deg
Flip angle 2	180 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	103
Pause after meas.	0.0 s
Multiple series	Off

Resolution

Base resolution	128
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	6/8
Interpolation	Off
PAT mode	None
Raw filter	Off

Geometry

Series	Ascending
Sat. region 1	
Thickness	32 mm
Position	L0.0 P36.4 F23.6
Orientation	C > T42.6
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	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	240.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L0.0 P36.4 F23.6
Orientation	T > C-42.6
Rotation	0.00 deg
R >> L	128 mm
A >> P	32 mm
F >> H	8 mm

Physio

1st Signal/Mode	None

BOLD

Motion correction	Off
Spatial filter	Off

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	1148 Hz/Px
Echo spacing	1.02 ms
Slice turbo factor	6
EPI factor	32
RF pulse type	Normal
Gradient mode	Fast
Adjust flipangles	Off
FLIP ANGLES[1]	180 deg
FLIP ANGLES[2]	180 deg
FLIP ANGLES[3]	180 deg
FLIP ANGLES[4]	180 deg
FLIP ANGLES[5]	180 deg
FLIP ANGLES[6]	180 deg
Crusher Factor	7.00
Spoiler Factor	5.00
RF02 BWT Factor	1.00
RF02 time	2560 ms
RF Scaling[1]	1.00
Phase Encoding PE	On

Phase Encoding 3D	On
Measurement Number	1023
Inversion Flag	Off
FFT Scale Factor	1.00
ACROSSSEGMENTS	Off
PRIMARYMODE	On
AUTOCORR	Off
CROSSCORR	Off
FILTERED	On
FatSat FlipAngle	110 deg

\\USER\Feinberglab\Tanja\3D_EPI_Siemens\ep_seg_fid_BWTP_UI			
TA: 2.5 s	Voxel size: 4.0×3.9×5.0 mm	Rel. SNR: 1.00	USER: ep_seg_fid_BWTP_UI

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	1
Dist. factor	50 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	500 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	192 ms
TE	91 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	T1

Contrast

MTC	Off
Flip angle	90 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	128
Phase resolution	98 %
Phase partial Fourier	Off
Interpolation	Off
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	Off
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	Off
B4	Off
M3	Off
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	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	500 mm
A >> P	500 mm
F >> H	5 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Composing

Sequence

Introduction	Off
Dimension	2D
Bandwidth	752 Hz/Px
Free echo spacing	Off
Echo spacing	1.38 ms
EPI factor	3
RF pulse type	Normal
Gradient mode	Fast
RF spoiling	On
excite duration	5120
excite BWTP	5.2

\\USER\Feinberglab\Tanja\3D_EPI_Siemens\ep_seg_fid_test

TA: 2.5 s   Voxel size: 4.0×3.9×5.0 mm   Rel. SNR: 1.00   USER: ep_seg_fid_test

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	1
Dist. factor	50 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	500 mm
FoV phase	100.0 %
Slice thickness	5.0 mm
TR	189 ms
TE	90 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	T1

Contrast

MTC	Off
Flip angle	90 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	128
Phase resolution	98 %
Phase partial Fourier	Off
Interpolation	Off
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	Off
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	Off
B4	Off
M3	Off
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	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	500 mm
A >> P	500 mm
F >> H	5 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Composing

Sequence

Introduction	Off
Dimension	2D
Bandwidth	752 Hz/Px
Free echo spacing	Off
Echo spacing	1.38 ms
EPI factor	3
RF pulse type	Normal
Gradient mode	Fast
RF spoiling	On

\\USER\Feinberglab\Tanja\3D_EPI_Siemens\ep_seg_fid_BWTP_UI

TA: 5.5 s   Voxel size: 2.8×2.8×3.0 mm   Rel. SNR: 1.00   USER: ep_seg_fid_BWTP_UI

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	50 %
Position	L0.0 A30.4 H0.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	32
FoV read	180 mm
FoV phase	100.0 %
Slice thickness	3.00 mm
TR	119 ms
TE	18 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	17 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	64
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	7/8
Slice partial Fourier	7/8
Interpolation	Off
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None

Table position

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 A30.4 H0.0
Orientation	Transversal
Rotation	0.00 deg
R >> L	180 mm
A >> P	180 mm
F >> H	96 mm

Physio

1st Signal/Mode	None
Resp. control	Off

Composing

Sequence

Introduction	Off
Dimension	3D
Bandwidth	1860 Hz/Px
Free echo spacing	Off
Echo spacing	0.6 ms
EPI factor	65
RF pulse type	Normal
Gradient mode	Fast
RF spoiling	On
excite duration	2560
excite BWTP	25.0

\\USER\Feinberglab\Tanja\GRASE\BP_grase_clean_VASO_V04

TA: 3.0 s   PAT: Off   Voxel size: 7.8×7.8×3.0 mm   Rel. SNR: 1.00   USER: BP_grase_clean_VASO_V04

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	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	20
FoV read	500 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	3000 ms
TE	42.12 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	T1

Contrast

Magn. preparation	None
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	64
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	Off
Interpolation	Off
PAT mode	None
Prescan Normalize	Off
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	66 mm
Position	Isocenter
Orientation	Transversal

Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	Off
B4	Off
M3	Off
V32	Off
Positioning mode	REF
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	Transversal
Rotation	0.00 deg
R >> L	500 mm
A >> P	500 mm
F >> H	60 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	2004 Hz/Px
Echo spacing	0.5 ms
Turbo factor	20
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
flip angle excit	90
phase encoding	ON
Maxwell compensation	Off
ICE program	Mosaic
prepscans	0

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```
\\USER
    Feinberglab
        Tanja
            pgrs3d
                    pgrs3d_ey
                    pgrs3d_ey_20180816
                    pgrs3d_ey_20180816_p8mm
                    pgrs3d_ey_20180816_1mm
                    --surface coil tests--
                    localizer_100V_newcoil
                    b1map_100V_8
                    pgrs3d_ey_20180816_p8mm
                    BP_grase_clean_IV_0.8mm_SH
                    --0824--
                    BP_grase_clean_IV_1mm_SH_pf6
                    pgrs3d_ey_20180816_1mm_pf6
            3D_EPI_Siemens
                    ep_seg_fid_BWTP_UI
                    ep_seg_fid_test
                    ep_seg_fid_BWTP_UI
            GRASE
                    BP_grase_clean_VASO_V04
```