\\USER\Feinberglab\Test\ASL\localizer_200V

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	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 2	
Slices	5
Dist. factor	20 %
Position	Isocenter
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Slice group 3	
Slices	5
Dist. factor	20 %
Position	Isocenter
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	E01-20

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

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
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Auto Coil Select	Off
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
! Ref. amplitude 1H	200.000 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\Test\ASL\pgrs3d_asl_collection_new

TA: 0:10 Voxel size: 4.0×4.0×4.0 mm Rel. SNR: 1.00 USER: pgrs3d_asl_collection_new

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	26
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	5000 ms
TE	39.2 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	64
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	5/8
Interpolation	Off
Prescan Normalize	Off
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	17 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	256 mm
A >> P	256 mm
F >> H	104 mm

Physio

1st Signal/Mode	None
Segments	1

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	2298 Hz/Px
Echo spacing	0.5 ms
Turbo factor	16
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
ASL mode	TE-pCASL
Pre sat	On
manual LABEL/SAT region	Off
Robust Hadamard	Off
Saturation mode	const 90
Background Suppr	2*T1-based BackgroundSupression
BS parameter_1	700 ms
BS parameter_2	100 ms
Thickness of BS slice	200 mm
FOCI parameter_0	800
FOCI parameter_1	24
FOCI parameter_2	1.0
FOCI parameter_3	2000
FOCI parameter_4	0.500

Additional scaling factor	10.0
Distribution Mode	Equal
z-spoiling	equal
Fix label plane offset	Off
pCASL bolus length	300 ms
Subbolus length	50 ms
Time encoding steps	2
RF gap	360 usec
RF FA	25 deg
post labeling delay	200 ms
Number of echoes	1

\\USER\Feinberglab\Test\ASL\pgrs3d_asl_collection_new_7T

TA: 0:40 Voxel size: 2.0×2.0×4.0 mm Rel. SNR: 1.00 USER: pgrs3d_asl_collection_new_7T

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.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	26
FoV read	256 mm
FoV phase	62.5 %
Slice thickness	4.0 mm
TR	5000 ms
TE	18.58 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	T1

Contrast

Flip angle	100 deg
Fat suppr.	Fat sat.
Fat sat. mode	Strong
Averaging mode	Long term
Reconstruction	Magn./Phase
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	128
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	5/8
Interpolation	On
Prescan Normalize	Off
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	17 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	90.00 deg
A >> P	256 mm
R >> L	160 mm
F >> H	104 mm

Physio

1st Signal/Mode	None
Segments	4

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	2298 Hz/Px
Echo spacing	0.6 ms
Turbo factor	16
EPI factor	20
RF pulse type	Normal
Gradient mode	Fast
ASL mode	PASL
Pre sat	Off
Post sat	On
manual LABEL/SAT region	Off
Saturation mode	const 90
Background Suppr	NOBackgroundsupp
BS parameter_1	700 ms
BS parameter_2	100 ms
FOCI parameter_0	600
FOCI parameter_1	12
FOCI parameter_2	1.0
FOCI parameter_3	300
FOCI parameter_4	0.500
Additional scaling factor	10.0
Distribution Mode	Equal

z-spoiling	equal
Start of time series	1700 ms
Increment time series	100 ms
Length of time series	1
Bolus length	2000 ms
Number of echoes	1

\\USER\Feinberglab\Test\ASL\BP_grase_clean_sat

TA: 6.0 s PAT: 2 Voxel size: 0.7×0.7×1.0 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 P16.9 H16.9
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0 deg
Phase oversampling	0 %
Slice oversampling	25.0 %
Slices per slab	8
FoV read	148 mm
FoV phase	36.4 %
Slice thickness	1 mm
TR	3000 ms
TE	52.4 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

Flip angle	90 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	198
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	On
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	30
Accel. factor 3D	1
Ref. lines 3D	10
Reference scan mode	Separate
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	87 mm
Position	L0.0 P17.5 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	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L0.0 P16.9 H16.9
Orientation	Transversal
Rotation	0.00 deg
R >> L	148 mm
A >> P	54 mm
F >> H	8 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Asymmetric echo	Off
Contrasts	1
Bandwidth	1010 Hz/Px
Echo spacing	1.1 ms
Turbo factor	10
EPI factor	72
RF pulse type	Normal
Gradient mode	Fast
refocussing type	sinc 2560
flip angle excit	90
Crusher Momentum	30000
Crusher Time	1000
phase encoding	ON
Maxwell compensation	Off
ICE program	single
prepscans	0
Refocusing Duration	0

\\USER\Feinberglab\Test\ASL\BP_grase_clean_sat

TA: 6.0 s PAT: 2 Voxel size: 1.1×0.8×1.0 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 P16.9 H16.9
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	25.0 %
Slices per slab	8
FoV read	190 mm
FoV phase	35.0 %
Slice thickness	1.0 mm
TR	3000 ms
TE	43.8 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

Flip angle	180 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	71 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Interpolation	On
PAT mode	mSENSE
Accel. factor PE	2
Ref. lines PE	30
Reference scan mode	Separate
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	33 mm
Position	L0.0 P17.5 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 P16.9 H16.9
Orientation	Transversal
Rotation	0.00 deg
R >> L	190 mm
A >> P	67 mm
F >> H	8 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Asymmetric echo	Off
Contrasts	1
Bandwidth	1096 Hz/Px
Echo spacing	1 ms
Turbo factor	10
EPI factor	60
RF pulse type	Normal
Gradient mode	Fast
refocussing type	sinc 2560
flip angle excit	90
Crusher Momentum	30000
Crusher Time	1000
phase encoding	ON
Maxwell compensation	Off
ICE program	single
prepscans	0
Refocusing Duration	7680

\\USER\Feinberglab\Test\ASL\BP_grase_clean_sat

TA: 3.0 s PAT: Off Voxel size: 7.8×7.8×3.0 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	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	37.54 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	Off

Resolution

Base resolution	64
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
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	60 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Asymmetric echo	Allowed
Contrasts	1
Bandwidth	2004 Hz/Px
Echo spacing	0.5 ms
Turbo factor	20
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
refocussing type	sinc 2560
flip angle excit	90
Crusher Momentum	10000
Crusher Time	650
phase encoding	ON
Maxwell compensation	Off
ICE program	single
prepscans	0
Refocusing Duration	1280

\\USER\Feinberglab\Test\ASL\BP_grase_clean_sat

TA: 6.0 s PAT: 2 Voxel size: 0.8×0.8×1.0 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 A3.4 H62.4
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	8
FoV read	205 mm
FoV phase	18.8 %
Slice thickness	1.0 mm
TR	3000 ms
TE	40.22 ms
Averages	1
Concatenations	1
Filter	Raw filter
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	256
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	On
Intensity	Weak
Slope	25

Geometry

Series	Interleaved
Sat. region 1	
Thickness	28 mm
Position	L0.0 A3.7 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 A3.4 H62.4
Orientation	Transversal
Rotation	0.00 deg
R >> L	205 mm
A >> P	39 mm
F >> H	8 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Asymmetric echo	Off
Contrasts	1
Bandwidth	1148 Hz/Px
Echo spacing	1 ms
Turbo factor	8
EPI factor	48
RF pulse type	Normal
Gradient mode	Fast
refocussing type	sinc 2560
flip angle excit	90
Crusher Momentum	30000
Crusher Time	1000
phase encoding	ON
Maxwell compensation	Off
ICE program	single
prepscans	0

Refocusing Duration	10240

\\USER\Feinberglab\Test\ASL\pgrs3d_asl_collection_new_7T

TA: 0:48 Voxel size: 3.3×3.3×3.3 mm Rel. SNR: 1.00 USER: pgrs3d_asl_collection_new_7T

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 P36.6 H40.7
Orientation	C > T-20.8
Phase enc. dir.	F >> H
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	24
FoV read	210 mm
FoV phase	75.0 %
Slice thickness	3.3 mm
TR	3000 ms
TE	18.88 ms
Averages	2
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	Magn./Phase
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	64
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	6/8
Interpolation	On
Prescan Normalize	Off
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	78 mm
Position	L0.0 P0.0 H58.0
Orientation	Transversal
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	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L0.0 P36.6 H40.7
Orientation	C > T-20.8
Rotation	90.00 deg
R >> L	210 mm
F >> H	158 mm
A >> P	80 mm

Physio

1st Signal/Mode	None
Segments	4

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	2790 Hz/Px
Echo spacing	0.5 ms
Turbo factor	9
EPI factor	24
RF pulse type	Normal
Gradient mode	Fast
ASL mode	PASL
Pre sat	Off
Post sat	On
manual LABEL/SAT region	Off
Saturation mode	var. I
Background Suppr	fiveT1opt
BS parameter_1	800 ms
BS parameter_2	50 ms
FOCI parameter_0	600
FOCI parameter_1	12
FOCI parameter_2	1.0
FOCI parameter_3	300
FOCI parameter_4	0.500
Additional scaling factor	10.0
Distribution Mode	Equal

z-spoiling	equal
Start of time series	1700 ms
Increment time series	100 ms
Length of time series	1
Bolus length	2000 ms
Number of echoes	1

\\USER\Feinberglab\Test\ASL\pgrs3d_asl_collection_new_7T

TA: 0:48 Voxel size: 3.3×3.3×3.3 mm Rel. SNR: 1.00 USER: pgrs3d_asl_collection_new_7T

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 A27.1 H83.4
Orientation	T > C-1.0
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	24
FoV read	210 mm
FoV phase	75.0 %
Slice thickness	3.3 mm
TR	3000 ms
TE	18.88 ms
Averages	2
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	Magn./Phase
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	64
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	6/8
Interpolation	On
Prescan Normalize	Off
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	72 mm
Position	L0.0 P0.0 H80.6
Orientation	Transversal
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	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L0.0 A27.1 H83.4
Orientation	T > C-1.0
Rotation	90.00 deg
A >> P	210 mm
R >> L	158 mm
F >> H	80 mm

Physio

1st Signal/Mode	None
Segments	4

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	2790 Hz/Px
Echo spacing	0.5 ms
Turbo factor	9
EPI factor	24
RF pulse type	Normal
Gradient mode	Fast
ASL mode	PASL
Pre sat	Off
Post sat	On
manual LABEL/SAT region	Off
Saturation mode	var. I
Background Suppr	fiveT1opt
BS parameter_1	800 ms
BS parameter_2	50 ms
FOCI parameter_0	600
FOCI parameter_1	12
FOCI parameter_2	1.0
FOCI parameter_3	300
FOCI parameter_4	0.500
Additional scaling factor	10.0
Distribution Mode	Equal

z-spoiling	equal
Start of time series	1700 ms
Increment time series	100 ms
Length of time series	1
Bolus length	2000 ms
Number of echoes	1

\\USER\Feinberglab\Test\ASL\pgrs3d_asl_collection_new_7T

TA: 0:24 Voxel size: 3.3×3.3×3.3 mm Rel. SNR: 1.00 USER: pgrs3d_asl_collection_new_7T

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 P36.6 H40.7
Orientation	C > T-20.8
Phase enc. dir.	F >> H
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	24
FoV read	210 mm
FoV phase	75.0 %
Slice thickness	3.3 mm
TR	3000 ms
TE	18.88 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	Magn./Phase
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	64
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	6/8
Interpolation	On
Prescan Normalize	Off
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	78 mm
Position	L0.0 P0.0 H58.0
Orientation	Transversal
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	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L0.7 A23.1 F25.1
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	210 mm
! R >> L	158 mm
! F >> H	82 mm

Physio

1st Signal/Mode	None
Segments	4

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	2790 Hz/Px
Echo spacing	0.5 ms
Turbo factor	9
EPI factor	24
RF pulse type	Normal
Gradient mode	Fast
ASL mode	PASL
Pre sat	Off
Post sat	On
manual LABEL/SAT region	Off
Saturation mode	const 90
Background Suppr	fiveT1opt
BS parameter_1	800 ms
BS parameter_2	50 ms
FOCI parameter_0	600
FOCI parameter_1	12
FOCI parameter_2	1.0
FOCI parameter_3	300
FOCI parameter_4	0.500
Additional scaling factor	10.0
Distribution Mode	Equal

z-spoiling	equal
Start of time series	1700 ms
Increment time series	100 ms
Length of time series	1
Bolus length	2000 ms
Number of echoes	1

\\USER\Feinberglab\Test\ASL\pgrs3d_asl_collection_new_7T

TA: 1:12 Voxel size: 1.9×1.9×2.6 mm Rel. SNR: 1.00 USER: pgrs3d_asl_collection_new_7T

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 P36.6 H40.7
Orientation	C > T-6.9
Phase enc. dir.	F >> H
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	24
FoV read	240 mm
FoV phase	75.0 %
Slice thickness	2.6 mm
TR	3000 ms
TE	26.32 ms
Averages	2
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

Flip angle	100 deg
Fat suppr.	Fat sat.
Fat sat. mode	Strong
Averaging mode	Long term
Reconstruction	Magn./Phase
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	128
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	6/8
Interpolation	On
Prescan Normalize	Off
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	78 mm
Position	L0.0 P0.0 H58.0
Orientation	Transversal
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	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L0.0 P36.6 H40.7
! Orientation	C > T-15.1
! Rotation	90.00 deg
! R >> L	250 mm
! F >> H	188 mm
! A >> P	63 mm

Physio

1st Signal/Mode	None
Segments	6

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	2298 Hz/Px
Echo spacing	0.6 ms
Turbo factor	9
EPI factor	32
RF pulse type	Normal
Gradient mode	Fast
ASL mode	PASL
Pre sat	Off
Post sat	On
manual LABEL/SAT region	Off
Saturation mode	const 90
Background Suppr	fiveT1opt
BS parameter_1	800 ms
BS parameter_2	50 ms
FOCI parameter_0	600
FOCI parameter_1	12
FOCI parameter_2	1.0
FOCI parameter_3	300
FOCI parameter_4	0.500
Additional scaling factor	10.0
Distribution Mode	Equal

z-spoiling	equal
Start of time series	1700 ms
Increment time series	100 ms
Length of time series	1
Bolus length	2000 ms
Number of echoes	1

\\USER\Feinberglab\Test\ASL\pgrs3d_asl_collection_new_7T

TA: 0:48 Voxel size: 3.3×3.3×3.3 mm Rel. SNR: 1.00 USER: pgrs3d_asl_collection_new_7T

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 P36.6 H40.7
Orientation	C > T-20.8
Phase enc. dir.	F >> H
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	24
FoV read	210 mm
FoV phase	75.0 %
Slice thickness	3.3 mm
TR	3000 ms
TE	18.88 ms
Averages	2
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	Magn./Phase
Measurements	1
Multiple series	Each measurement

Resolution

Base resolution	64
Phase resolution	100 %
Slice resolution	100 %
Slice partial Fourier	6/8
Interpolation	On
Prescan Normalize	Off
Raw filter	Off

Geometry

Series	Interleaved
Sat. region 1	
Thickness	78 mm
Position	L0.0 P0.0 H58.0
Orientation	Transversal
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	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L0.7 A23.1 F25.1
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	210 mm
! R >> L	158 mm
! F >> H	82 mm

Physio

1st Signal/Mode	None
Segments	4

Composing

Sequence

Introduction	Off
Dimension	3D
Reordering	Centric
Contrasts	1
Bandwidth	2790 Hz/Px
Echo spacing	0.5 ms
Turbo factor	9
EPI factor	24
RF pulse type	Normal
Gradient mode	Fast
ASL mode	PASL
Pre sat	Off
Post sat	On
manual LABEL/SAT region	Off
Saturation mode	const 90
Background Suppr	fiveT1opt
BS parameter_1	800 ms
BS parameter_2	50 ms
FOCI parameter_0	600
FOCI parameter_1	12
FOCI parameter_2	1.0
FOCI parameter_3	300
FOCI parameter_4	0.500
Additional scaling factor	10.0
Distribution Mode	Equal

z-spoiling	equal
Start of time series	1700 ms
Increment time series	100 ms
Length of time series	1
Bolus length	2000 ms
Number of echoes	1

Table of contents