

\\MARTINOS DEVELOPER\HUBER\3rd_order_shim_tests_with_Gunjan\20250805_with_Shahin\DPG_Shahin

TA: 1:11 min Coil Selection: Manual Voxel Size: 1.0x1.0x1.0 mm³ Acc:: 4 Rel. SNR: 1.00

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	54
Distance Factor	0 %
Position	R6.8 P36.7 F45.4 mm
Orientation	C > T7.4
Phase Encoding Dir.	F >> H
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	1.0 mm
TR	3240.0 ms
TE	25.00 ms
Averages	1
Concatenations	1
AutoAlign	---
Coil Elements	AC

Contrast - Common

TR	3240.0 ms
TE	25.00 ms
MTC	Off
Flip Angle	60 deg
Fat-Water Contrast	Fat Saturation
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	10
Delay in TR	0.00 ms

Resolution - Common

FOV Read	180 mm
FOV Phase	100.0 %

Resolution - Common

Slice Thickness	1.0 mm
Base Resolution	180
Phase Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	4
Reference Lines PE	128
Phase Partial Fourier	7/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Hamming	Off
Distortion Correction	Off
Normalize	Off

Geometry - Common

Slice Group	1
Slices	54
Distance Factor	0 %
Position	R6.8 P36.7 F45.4 mm
Orientation	C > T7.4
Phase Encoding Dir.	F >> H
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	1.0 mm
TR	3240.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R6.8 P36.7 F45.4 mm
Orientation	C > T7.4
Phase Encoding Dir.	F >> H
AutoAlign	---
Initial Position	R6.8 P36.7 F45.4
R	6.8 mm
P	36.7 mm
F	45.4 mm
Initial Orientation	C > T
C > T	7.40
> S	0.00
Initial Rotation	90.00 deg

Geometry - Saturation

Special Saturation	None
--------------------	------

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H

System - Miscellaneous

Coil Selection	Manual
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Sum of Squares
Matrix Optimization	Off

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Brain
B1 Shim	TrueForm
Adjustment Tolerance	Auto
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

! Position	R6.8 P31.7 F26.1 mm
! Orientation	C > T7.0
! Rotation	90.00 deg
! F >> H	95 mm
! R >> L	180 mm
! A >> P	75 mm
Reset	Off

System - pTx

B1 Shim	TrueForm
Excitation	Standard

System - Tx/Rx

Frequency 1H	297.118108 MHz
! Ref. Amplitude 1H	250.000 V
Reset	Off
Correction Factor	1.00
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3240.0 ms
Log Signals	Off
Concatenations	1

BOLD

GLM Statistics	Off
Ignore Meas. at Start	0

BOLD

Ignore After Transition	0
Model Transition States	On
Temp. Highpass Filter	On
Threshold	4.00
Paradigm Size	20
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Baseline
Meas[4]	Baseline
Meas[5]	Baseline
Meas[6]	Baseline
Meas[7]	Baseline
Meas[8]	Baseline
Meas[9]	Baseline
Meas[10]	Baseline
Meas[11]	Active
Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion Correction	Off
Spatial Filter	Off
Measurements	10
Delay in TR	0.00 ms

Sequence - Part 1

Sequence Name	epfid
Excitation	Standard
RF Pulse Type	Fast
Gradient Mode	Normal
Bandwidth	1158 Hz/Px
Echo Spacing	1.01 ms
Free Echo Spacing	On
EPI Factor	180

Sequence - Part 2

Introduction	Off
--------------	-----

Sequence - Special

Imaging Dummy TRs	4
SMS ACS Dummy TRs	-1
FLEET Dummy Pulses	0
CC Mode	Direct adj coil
RF Clip	0
VERSE Factor	1.00
ACS mode	Standard
Kernel Size	5x5
Run Siemens DPG.	On
Wait for TCP/IP Trigger	Off

Sequence - Special

Reverse Phase Encoding	Off
------------------------	-----

Sequence - Assistant

SAR Assistant	Off
---------------	-----

\\MARTINOS DEVELOPER\HUBER\3rd_order_shim_tests_with_Gunjan\20250805_with_Shahin\NoDPG_S
hahin

TA: 58 sec Coil Selection: Manual Voxel Size: 1.0x1.0x1.0 mm³ Acc:: 4 Rel. SNR: 1.00

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	54
Distance Factor	0 %
Position	R6.8 P36.7 F45.4 mm
Orientation	C > T7.4
Phase Encoding Dir.	F >> H
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	1.0 mm
TR	3240.0 ms
TE	25.00 ms
Averages	1
Concatenations	1
AutoAlign	---
Coil Elements	AC

Contrast - Common

TR	3240.0 ms
TE	25.00 ms
MTC	Off
Flip Angle	60 deg
Fat-Water Contrast	Fat Saturation
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	10
Delay in TR	0.00 ms

Resolution - Common

FOV Read	180 mm
FOV Phase	100.0 %

Resolution - Common

Slice Thickness	1.0 mm
Base Resolution	180
Phase Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	4
Reference Lines PE	128
Phase Partial Fourier	7/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Hamming	Off
Distortion Correction	Off
Normalize	Off

Geometry - Common

Slice Group	1
Slices	54
Distance Factor	0 %
Position	R6.8 P36.7 F45.4 mm
Orientation	C > T7.4
Phase Encoding Dir.	F >> H
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	100.0 %
Slice Thickness	1.0 mm
TR	3240.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R6.8 P36.7 F45.4 mm
Orientation	C > T7.4
Phase Encoding Dir.	F >> H
AutoAlign	---
Initial Position	R6.8 P36.7 F45.4
R	6.8 mm
P	36.7 mm
F	45.4 mm
Initial Orientation	C > T
C > T	7.40
> S	0.00
Initial Rotation	90.00 deg

Geometry - Saturation

Special Saturation	None
--------------------	------

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H

System - Miscellaneous

Coil Selection	Manual
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Sum of Squares
Matrix Optimization	Off

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Brain
B1 Shim	TrueForm
Adjustment Tolerance	Auto
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

! Position	R6.8 P31.7 F26.1 mm
! Orientation	C > T7.0
! Rotation	90.00 deg
! F >> H	95 mm
! R >> L	180 mm
! A >> P	75 mm
Reset	Off

System - pTx

B1 Shim	TrueForm
Excitation	Standard

System - Tx/Rx

Frequency 1H	297.118108 MHz
! Ref. Amplitude 1H	250.000 V
Reset	Off
Correction Factor	1.00
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3240.0 ms
Log Signals	Off
Concatenations	1

BOLD

GLM Statistics	Off
Ignore Meas. at Start	0

BOLD

Ignore After Transition	0
Model Transition States	On
Temp. Highpass Filter	On
Threshold	4.00
Paradigm Size	20
Meas[1]	Baseline
Meas[2]	Baseline
Meas[3]	Baseline
Meas[4]	Baseline
Meas[5]	Baseline
Meas[6]	Baseline
Meas[7]	Baseline
Meas[8]	Baseline
Meas[9]	Baseline
Meas[10]	Baseline
Meas[11]	Active
Meas[12]	Active
Meas[13]	Active
Meas[14]	Active
Meas[15]	Active
Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion Correction	Off
Spatial Filter	Off
Measurements	10
Delay in TR	0.00 ms

Sequence - Part 1

Sequence Name	epfid
Excitation	Standard
RF Pulse Type	Fast
Gradient Mode	Normal
Bandwidth	1158 Hz/Px
Echo Spacing	1.01 ms
Free Echo Spacing	On
EPI Factor	180

Sequence - Part 2

Introduction	Off
--------------	-----

Sequence - Special

Imaging Dummy TRs	4
SMS ACS Dummy TRs	-1
FLEET Dummy Pulses	0
CC Mode	Direct adj coil
RF Clip	0
VERSE Factor	1.00
ACS mode	Standard
Kernel Size	5x5
Run Siemens DPG.	Off
Wait for TCP/IP Trigger	Off

Sequence - Special

Reverse Phase Encoding	Off
------------------------	-----

Sequence - Assistant

SAR Assistant	Off
---------------	-----