

\MARTINOS DEVELOPER\HUBER\FRISGO_functional\FRISGO_20251008_AZM_AA\rslh_ep3d_0.30_run2	
OR	

TA: 14:56 min Coil Selection: Manual Voxel Size: 0.3x0.3x0.3 mm<sup>3</sup> Acc:: 3 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**

Slab Group	1
Slabs	1
Position	R4.4 P48.7 F18.9 mm
Orientation	C > S-1.4 > T-0.1
Phase Encoding Dir.	F >> H
Slices per Slab	18
Phase Oversampling	0.0 %
Slice Oversampling	0.0 %
FOV Read	130 mm
FOV Phase	100.0 %
Slice Thickness	0.31 mm
TR	56.6 ms
Vol. TR	6119.61 ms
TE 1	17.60 ms
Averages	1
Multi-echo Shots	1
AutoAlign	Head > Brain
Coil Elements	AC

**Contrast - Common**

TR	56.6 ms
Vol. TR	6119.61 ms
TE 1	17.60 ms
Multi-echo spacing	40.50 ms
MTC	Off
Flip Angle	23 deg
Fat-Water Contrast	Fast Fat Saturation
Magn. Prep. Shots	1
Contrasts	1
Reconstruction	Magnitude

**Contrast - Dynamic**

Dynamic Mode	Standard
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**Contrast - Dynamic**

Measurements	144
Reordering	Linear

**Resolution - Common**

FOV Read	130 mm
FOV Phase	100.0 %
Slice Thickness	0.31 mm
Base Resolution	420
Phase Resolution	100 %
Slice Resolution	100 %
Interpolation	Off

**Resolution - Acceleration**

Acceleration Mode	CAIPIRINHA
Reference Scans	GRE/Separate
Acceleration Factor PE	1
Reference Lines PE	75
Acceleration Factor 3D	3
Reference Lines 3D	18
Reordering Shift 3D	1
Phase Partial Fourier	6/8
Slice Partial Fourier	Off

**Resolution - Filter**

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	Off
Normalize	Off
Image Filter	Off

**Geometry - Common**

Slab Group	1
Slabs	1
Position	R4.4 P48.7 F18.9 mm
Orientation	C > S-1.4 > T-0.1
Phase Encoding Dir.	F >> H
Slices per Slab	18
Phase Oversampling	0.0 %
Slice Oversampling	0.0 %
FOV Read	130 mm
FOV Phase	100.0 %
Slice Thickness	0.31 mm
TR	56.6 ms
Vol. TR	6119.61 ms
Multi-echo Shots	1

**Geometry - AutoAlign**

Slab Group	1
Position	R4.4 P48.7 F18.9 mm

**Geometry - AutoAlign**

Orientation	C > S-1.4 > T-0.1
Phase Encoding Dir.	F >> H
AutoAlign	Head > Brain
Initial Position	R4.3 P56.3 H9.0
R	4.3 mm
P	56.3 mm
H	9.0 mm
Initial Orientation	C > T
C > T	-12.40
> S	0.70
Initial Rotation	85.96 deg

**Geometry - Saturation**

Saturation Mode	Quick
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**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	Adaptive Combine
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	R2.3 P45.8 F10.9 mm
! Orientation	C > S-1.5 > T1.4
! Rotation	94.51 deg
! F >> H	118 mm
! R >> L	101 mm
! A >> P	16 mm
Reset	Off

**System - pTx**

B1 Shim	TrueForm
Excitation	Slab-sel.

**System - Tx/Rx**

Frequency 1H	297.117754 MHz
! Ref. Amplitude 1H	370.000 V

**System - Tx/Rx**

Reset	Off
Correction Factor	1.00
Image Scaling	1.000

**Sequence - Part 1**

Sequence Name	vaso a2d6453
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Normal
Gradient Mode	Fast
Reordering	Linear
Bandwidth	542 Hz/Px
Echo Spacing	2.15 ms
Turbo Factor	108
Segmentation	18
EPI Factor	18

**Sequence - Part 2**

Introduction	On
RF Spoiling	On

**Sequence - Special**

RF duration	1100 us
RF time x BW	7
PAT ref. FA	3 deg
Fat sat. FA	110 deg
T1 (Ernst FA)	1200 ms
Invert PE	Off
Min. TE w/ PF	On
Ramp Sampling	On
Trigger per shot	Off
Noise image	Off
Relax spoilers	Off
Round up Vol. TR	Off
MT flip angle	500 deg
MT off-res.	2000 Hz
MT RF duration	10240 us
Custom Water Exc.	-none-
Phase Correction	per Series
Saturation RF	per Meas.
EPI rise time factor	1.43
G. spoil dephasing[1]	0.0 pi
G. spoil dephasing[2]	4.0 pi
G. spoil dephasing[3]	2.0 pi
Modify Ice Config	On
G-factor map	Off
GRAPPA Regularization	5000 /10^6
Slab Scale	-10 %
RF spoil scheme	Conventional
Read polarity	Inverted RO

**Sequence - Assistant**

SAR Assistant	Off
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