\\NRA\Schädel_32ch\Ischämie\CRPPstroke20191228_32ch_New_Patients6-\CO2_bold *

TA: 6:46 min Coil Selection: Auto Voxel Size: 3.0×3.0×3.0 mm³ Acc:: 2 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
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	35
Distance Factor	10 %
Position	R0.8 P5.9 H10.6 mm
Orientation	T > C-16.5 > S0.6
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FoV Read	192 mm
FoV Phase	100.0 %
Slice Thickness	3.0 mm
TR	2000.0 ms
TE	30.00 ms
Averages	1
Concatenations	1
AutoAlign	Head > Brain
Coil Elements	HEA;HEP

Contrast - Common

TR	2000.0 ms
TE	30.00 ms
MTC	Off
Flip Angle	85 deg
Fat-Water Contrast	Fat Saturation
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	200
Delay in TR	0.00 ms

Resolution - Common

FoV Read	192 mm
FoV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	64
Phase Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Acceleration mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	32
Phase Partial Fourier	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	35
Distance Factor	10 %
Position	R0.8 P5.9 H10.6 mm
Orientation	T > C-16.5 > S0.6
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FoV Read	192 mm
FoV Phase	100.0 %
Slice Thickness	3.0 mm
TR	2000.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R0.8 P5.9 H10.6 mm
Orientation	T > C-16.5 > S0.6
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	R0.8 P5.9 H10.6
R	0.8 mm
P	5.9 mm
H	10.6 mm
Initial Orientation	T > C
T > C	-16.50
> S	0.60
Initial Rotation	-1.12 deg

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

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

System - Miscellaneous

Coil Selection	Auto Coil Select
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	Standard
B1 Shim	TrueForm
Adjustment Tolerance	Auto

System - Adjustments

Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	R0.8 P5.9 H10.6 mm
Orientation	T > C-16.5 > S0.6
Rotation	-1.12 deg
A >> P	192 mm
R >> L	192 mm
F >> H	116 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.256229 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Correction Factor	1.00
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	2000.0 ms
Concatenations	1

BOLD

GLM Statistics	Off
Ignore Meas. at Start	0
Ignore After Transition	0
Model Transition States	On
Temp. Highpass Filter	On
Threshold	2.50
Paradigm Size	66
Meas[1]	Active
Meas[2]	Active
Meas[3]	Active
Meas[4]	Active
Meas[5]	Active
Meas[6]	Active
Meas[7]	Active
Meas[8]	Active
Meas[9]	Active
Meas[10]	Active
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
Meas[21]	Active
Meas[22]	Active
Meas[23]	Ignore
Meas[24]	Ignore
Meas[25]	Ignore
Meas[26]	Ignore
Meas[27]	Ignore
Meas[28]	Ignore
Meas[29]	Ignore
Meas[30]	Ignore
Meas[31]	Ignore

BOLD

Meas[32]	Ignore
Meas[33]	Ignore
Meas[34]	Ignore
Meas[35]	Ignore
Meas[36]	Ignore
Meas[37]	Ignore
Meas[38]	Ignore
Meas[39]	Ignore
Meas[40]	Ignore
Meas[41]	Ignore
Meas[42]	Ignore
Meas[43]	Ignore
Meas[44]	Ignore
Meas[45]	Active
Meas[46]	Active
Meas[47]	Active
Meas[48]	Active
Meas[49]	Active
Meas[50]	Active
Meas[51]	Active
Meas[52]	Active
Meas[53]	Active
Meas[54]	Active
Meas[55]	Active
Meas[56]	Active
Meas[57]	Active
Meas[58]	Active
Meas[59]	Active
Meas[60]	Active
Meas[61]	Active
Meas[62]	Active
Meas[63]	Active
Meas[64]	Active
Meas[65]	Active
Meas[66]	Active
Motion Correction	On
Spatial Filter	On
Filter Width	4.0 mm
Measurements	200
Delay in TR	0.00 ms

Sequence - Part 1

Sequence Name	epfid
Excitation	Standard
RF Pulse Type	Normal
Gradient Mode	Fast*
Bandwidth	2368 Hz/Px
Echo Spacing	0.53 ms
Free Echo Spacing	Off
EPI Factor	64

Sequence - Part 2

Introduction	Off

\\NRA\Schädel_32ch\Ischämie\CRPPstroke20191228_32ch_New_Patients6-\t1mprage_tra_HighRes_Nch_32ch *

TA: 8:14 min Coil Selection: Auto Voxel Size: 0.8×0.8×1.0 mm³ Acc:: 2 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
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	1
Distance Factor	50 %
Position	L0.0 P1.6 H13.6 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
Slices per Slab	176
Phase Oversampling	10 %
Slice Oversampling	27.3 %
FoV Read	230 mm
FoV Phase	100.0 %
Slice Thickness	1.0 mm
TR	2200.0 ms
TE	5.17 ms
Averages	1
Concatenations	1
AutoAlign	Head > Brain
Coil Elements	HEA;HEP

Contrast - Common

TR	2200.0 ms
TE	5.17 ms
Magn. Preparation	Non-sel. IR
TI	900 ms
Flip Angle	8 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement
Reordering	Linear Rot.

Resolution - Common

FoV Read	230 mm
FoV Phase	100.0 %
Slice Thickness	1.0 mm
Base Resolution	288
Phase Resolution	100 %
Slice Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Acceleration mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	1
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Allowed
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	3D
Normalize	Prescan
Image Filter	On

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	50 %
Position	L0.0 P1.6 H13.6 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
Slices per Slab	176
Phase Oversampling	10 %
Slice Oversampling	27.3 %
FoV Read	230 mm
FoV Phase	100.0 %
Slice Thickness	1.0 mm
TR	2200.0 ms
Multi-Slice Mode	Single Shot
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L0.0 P1.6 H13.6 mm
Orientation	Transversal
Phase Encoding Dir.	R >> L
AutoAlign	Head > Brain
Initial Position	L0.0 P1.6 H13.6
R	0.0 mm
P	1.6 mm
H	13.6 mm
Initial Orientation	Transversal
Initial Rotation	91.66 deg

Geometry - Navigator

Geometry - Tim Planning Suite

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

System - Miscellaneous

Coil Selection	Auto Coil Select
MSMA	S - C - T

System - Miscellaneous

Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
B1 Shim	TrueForm
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.256229 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Correction Factor	1.00
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	2200.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Non-sel. IR
TI	900 ms
Dark Blood	Off
FoV Read	230 mm
FoV Phase	100.0 %
Phase Resolution	100 %
Dynamic Mode	Standard

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - Cardiac

Magn. Preparation	Non-sel. IR
Save Original Images	On
TE	5.17 ms
TR	2200.0 ms

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off

Sequence - Part 1

Sequence Name	tfl_r
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Normal
Flow Compensation	On
Reordering	Linear Rot.
Bandwidth	250 Hz/Px
Echo Spacing	10.18 ms
Asymmetric Echo	Allowed
Turbo Factor	317

Sequence - Part 2

Introduction	On
RF Spoiling	On
Incr. Gradient Spoiling	On

Sequence - Assistant

SAR Assistant	Off