\\USER\Functional\Dr. Duchesne_CIMAQ\CDIP-3.7_MNI\localizer_12Channel TA: 8.1 s PAT: 2 Voxel size: 1.1×1.0×7.0 mm Rel. SNR: 1.00 SIEMENS: gre

Properties		Phase resolution	90 %
Prio Recon	Off	 Phase partial Fourier Interpolation 	Off On
Before measurement		Interpolation	On
After measurement		PAT mode	GRAPPA
Load to viewer	On	Accel. factor PE	2
Inline movie	Off	Ref. lines PE	24
Auto store images	On	Matrix Coil Mode	Auto (Triple)
Load to stamp segments	Off	Reference scan mode	Integrated
Load images to graphic	Off	Image Filter	Off
segments	0.4	Distortion Corr.	Off
Auto open inline display	Off	Unfiltered images	Off
Start measurement without	Off	Prescan Normalize	On
further preparation	Off	Normalize	Off
Wait for user to start Start measurements		B1 filter	Off
Start measurements	single	Raw filter	Off
Routine		Elliptical filter	On
Slice group 1		Mode	Inplane
Slices	1	Geometry	
Dist. factor	20 %	Multi-slice mode	Sequential
Position	Isocenter	Series	Interleaved
Orientation	Sagittal		
Phase enc. dir.	A >> P	Saturation mode	Standard
Rotation	0.00 deg	Special sat.	None
Slice group 2	4		
Slices	1	Tim CT mode	Off
Dist. factor Position	20 %	System	
	Isocenter	Body	Off
Orientation Phase enc. dir.	Transversal A >> P	HEP	On
Rotation	0.00 deg	HEA	On
Slice group 3	0.00 deg		
Slices	1	Positioning mode	REF
Dist. factor	20 %	Table position	Н
Position	Isocenter	Table position	0 mm
Orientation	Coronal	MSMA	S-C-T
Phase enc. dir.	R >> L	Sagittal	R >> L
Rotation	0.00 deg	Coronal	A >> P
Phase oversampling	0 %	Transversal	F >> H
FoV read	250 mm	Save uncombined	Off
FoV phase	100.0 %	Coil Combine Mode AutoAlign	Adaptive Combine
Slice thickness	7.0 mm	Auto Coil Select	Default
TR	8.6 ms	Auto Coli Select	
TE	4.00 ms	Shim mode	Tune up
Averages	2	Adjust with body coil	Off
Concatenations	3	Confirm freq. adjustment	Off
Filter	Prescan Normalize, Elliptical	Assume Silicone	Off
	filter	? Ref. amplitude 1H	0.000 V
Coil elements	HEA;HEP	Adjustment Tolerance	Auto
Contrast		Adjust volume	
TD	0 ms	- Position	Isocenter
MTC	Off	Orientation	Transversal
Magn. preparation	None	Rotation	0.00 deg
Flip angle	20 deg	R >> L A >> P	350 mm 263 mm
Fat suppr.	None	F >> H	263 mm 350 mm
Water suppr.	None	F 22 I	330 IIIII
SWI	Off	Physio	
Averaging mode	Short term	1st Signal/Mode	None
Averaging mode Reconstruction	Short term	Segments	1
Measurements	Magnitude 1	Dark blood	Off
Multiple series	Each measurement	Dark blood	OII
	Lasii illoasaroillett	Resp. control	Off
Resolution		- Inline	
Base resolution	256		

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

Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Contrasts	1
Bandwidth	320 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

\\USER\Functional\Dr. Duchesne_CIMAQ\CDIP-3.7_MNI\MPRAGE_ipat2

TA: 5:21	PAT: 2 Voxel size: 1.0x	1.0×1.0 mm Rel. SNR: 1.00	SIEMENS: tfl
Properties		Unfiltered images	Off
Prio Recon	Off	Prescan Normalize	On
	Oli	Normalize	Off
Before measurement		B1 filter	Off
After measurement		Raw filter	Off
Load to viewer	On	Elliptical filter	Off
Inline movie	Off	· ·	
Auto store images	On	Geometry	
Load to stamp segments	Off	Multi-slice mode	Single shot
Load images to graphic	Off	Series	Interleaved
segments			
Auto open inline display	Off	System	
Start measurement without	On	Body	Off
further preparation		HEP	On
Wait for user to start	On	HEA	On
Start measurements	single		
	· ·	Positioning mode	REF
Routine		Table position	Н
Slab group 1		Table position	0 mm
Slabs	1	MSMA	S - C - T
Dist. factor	50 %	Sagittal	R >> L
Position	R1.4 A17.0 H0.0	Coronal	A >> P
Orientation	Sagittal	Transversal	F >> H
Phase enc. dir.	A >> P	Save uncombined	Off
Rotation	0.00 deg	Coil Combine Mode	Adaptive Combine
Phase oversampling	0 %	AutoAlign	
Slice oversampling	0.0 %	Auto Coil Select	Default
Slices per slab	192		
FoV read	256 mm	Shim mode	Standard
FoV phase	100.0 %	Adjust with body coil	Off
Slice thickness	1.00 mm	Confirm freq. adjustment	Off
TR	2300 ms	Assume Silicone	Off
TE	2.98 ms	? Ref. amplitude 1H	0.000 V
	1	Adjustment Tolerance	Auto
Averages Concatenations	1	Adjust volume	
Filter	Prescan Normalize	Position	R1.4 A17.0 H0.0
		Orientation	Sagittal
Coil elements	HEA;HEP	Rotation	0.00 deg
Contrast		F >> H	256 mm
Magn. preparation	Non-sel. IR	— A >> P	256 mm
TI	900 ms	R >> L	192 mm
Flip angle	9 deg	K >> L	192 11111
Fat suppr.	None	Physio	
Water suppr.	None	1st Signal/Mode	None
Averaging mode	Long term	Dark blood	Off
Reconstruction	Magnitude	Resp. control	Off
Measurements	1	1 Nesp. control	Oli
Multiple series	Off	Inline	
•		Subtract	Off
Resolution		Std-Dev-Sag	Off
Base resolution	256	Std-Dev-Cor	Off
Phase resolution	100 %	Std-Dev-Tra	Off
Slice resolution	100 %	Std-Dev-Time	Off
Phase partial Fourier	Off	MIP-Sag	Off
Slice partial Fourier	Off	MIP-Cor	Off
Interpolation	Off	MIP-Tra	Off
		MIP-Time	Off
PAT mode	GRAPPA		On
Accel. factor PE	2	Save original images	OII
Ref. lines PE	24	Sequence	
Accel. factor 3D	1	Introduction	On
Matrix Coil Mode	Auto (Triple)	Dimension	3D
Reference scan mode	Integrated	Elliptical scanning	Off
		Asymmetric echo	Off
Image Filter	Off	Bandwidth	240 Hz/Px
Distortion Corr.	Off		
		Flow comp.	No

Echo spacing	7.1 ms
RF pulse type Gradient mode	Fast Normal
Excitation RF spoiling	Non-sel. On

\\USER\Functional\Dr. Duchesne_CIMAQ\CDIP-3.7_MNI\Axial_T2-FLAIR_iPAT2

TA: 4:05	PAT: 2 Voxel size: 0.9×0.9×3	3.0 mm Rel. SNR: 1.00	SIEMENS: tse
Dranartiaa		Image Filter	Off
Properties	0"	- Distortion Corr.	On
Prio Recon	Off	Mode	2D
Before measurement		Unfiltered images	Off
After measurement		Unfiltered images	Off
Load to viewer	On	Prescan Normalize	On
Inline movie	Off	Normalize	Off
Auto store images	On	B1 filter	Off
Load to stamp segments	Off	Raw filter	Off
Load images to graphic	Off	Elliptical filter	On
segments		Mode	Inplane
Auto open inline display	Off	Iviode	прапе
Start measurement without	On	Geometry	
further preparation		Multi-slice mode	Interleaved
Wait for user to start	On	Series	Interleaved
Start measurements	single		
	3 -	Special sat.	None
Routine			
Slice group 1		Tim CT mode	Off
Slices	48	System	
Dist. factor	0 %	System	0"
Position	R1.9 A13.4 H1.6	Body	Off
Orientation	T > C-9.0	HEP	On
Phase enc. dir.	R >> L	HEA	On
Rotation	90.00 deg	Decitioning mode	FIX
Phase oversampling	0 %	Positioning mode	
FoV read	240 mm	Table position	H
FoV phase	100.0 %	Table position	0 mm
Slice thickness	3.0 mm	MSMA	S - C - T
TR	9000 ms	Sagittal	L >> R
TE		Coronal	A >> P
	123.0 ms	Transversal	F >> H
Averages	1	Save uncombined	Off
Concatenations	3	Coil Combine Mode	Adaptive Combine
Filter	Distortion Corr.(2D), Prescan	AutoAlign	Head > Basis
	Normalize, Elliptical filter	Auto Coil Select	Default
Coil elements	HEA;HEP		
Contrast		Shim mode	Standard
	0.0	Adjust with body coil	Off
TD	0.0 ms	Confirm freq. adjustment	Off
MTC	Off	Assume Silicone	Off
Magn. preparation	Slice-sel. IR	? Ref. amplitude 1H	0.000 V
TI	2500 ms	Adjustment Tolerance	Auto
Freeze suppressed tissue	Off	Adjust volume	
Flip angle	165 deg	Position	R1.9 A13.4 H1.6
Fat suppr.	Fat sat.	Orientation	T > C-9.0
Fat sat. mode	Strong	Rotation	90.00 deg
Water suppr.	None	A >> P	240 mm
Restore magn.	Off	R >> L	240 mm
		F >> H	240 mm 144 mm
Averaging mode	Long term	r>> n	1 44 IIIII
Reconstruction	Magnitude	Physio	
Measurements	1	1st Signal/Mode	None
Multiple series	Each measurement		
Resolution		Dark blood	Off
Base resolution	256	Resp. control	Off
Phase resolution	100 %	· ·	
Phase partial Fourier	Off	Inline	
Trajectory	Cartesian	Subtract	Off
Interpolation	Off	Std-Dev-Sag	Off
	OII	Std-Dev-Cor	Off
PAT mode	GRAPPA	Std-Dev-Tra	Off
Accel. factor PE	2	Std-Dev-Time	Off
Ref. lines PE	- 47	MIP-Sag	Off
	Auto (Triple)	MIP-Cor	Off
Matrix Con Mode		•	
Matrix Coil Mode Reference scan mode	Integrated	MIP-Tra	Off

I	Save original images	On
	Sequence	
ſ	Introduction	On
ı	Dimension	2D
ı	Compensate T2 decay	Off
ı	Reduce Motion Sens.	Off
ı	Contrasts	1
ı	Bandwidth	222 Hz/Px
ı	Flow comp.	No
ı	Allowed delay	30 s
ı	Echo spacing	8.19 ms
ı	Define	Turbo factor
ı	Turbo factor	19
ı	Echo trains per slice	8
ı	RF pulse type	Fast
ı	Gradient mode	Fast

\\USER\Functional\Dr. Duchesne_CIMAQ\CDIP-3.7_MNI\PD_T2_1sequence

TA: 5:17	PAT: 2 Voxel size: 0.9×0.9×3	3.0 mm Rel. SNR: 1.00 S	SIEMENS: tse
Dranastica		Unfiltered images	Off
Properties	0"	Prescan Normalize	On
Prio Recon	Off	Normalize	Off
Before measurement		B1 filter	Off
After measurement	_	Raw filter	On
Load to viewer	On	Intensity	Weak
Inline movie	Off	Slope	25
Auto store images	On	Elliptical filter	Off
Load to stamp segments	Off	Emplical mile	Oii
Load images to graphic	On	Geometry	
segments		Multi-slice mode	Interleaved
Auto open inline display	Off	Series	Interleaved
Start measurement without	On		
further preparation		Special sat.	None
Wait for user to start	On		
		Tim CT mode	Off
Start measurements	single	1	.
Routine		System	
Slice group 1		Body	Off
Slices	48	HEP	On
Dist. factor	0 %	HEA	On
Position	R1.9 A13.4 H1.6		
		Positioning mode	FIX
Orientation	T > C-9.0	Table position	Н
Phase enc. dir.	R >> L	Table position	0 mm
Rotation	90.00 deg	MSMA	S - C - T
Phase oversampling	0 %	Sagittal	L >> R
FoV read	240 mm	Coronal	A >> P
FoV phase	100.0 %	Transversal	F >> H
Slice thickness	3.0 mm	Save uncombined	Off
TR	3000 ms	Coil Combine Mode	Adaptive Combine
TE 1	10 ms		•
TE 2	91 ms	AutoAlign	Head > Basis
Averages	1	Auto Coil Select	Default
Concatenations	5	Shim mode	Standard
Filter	Dow filter Dresses Newseline	Adjust with body coil	Off
	Raw filter, Prescan Normalize	Confirm freq. adjustment	Off
Coil elements	HEA;HEP		
Contrast		Assume Silicone	Off
TD	0.0 ms	? Ref. amplitude 1H	0.000 V
MTC	Off	Adjustment Tolerance	Auto
Magn. preparation	None	Adjust volume	
		Position	R1.9 A13.4 H1.6
Flip angle	165 deg	Orientation	T > C-9.0
Fat suppr.	Fat sat.	Rotation	90.00 deg
Fat sat. mode	Strong	A >> P	240 mm
Water suppr.	None	R >> L	240 mm
Restore magn.	Off	F >> H	144 mm
A	Chart tarms	1	
Averaging mode	Short term	Physio	
Reconstruction	Magnitude	1st Signal/Mode	None
Measurements	1		
Multiple series	Each measurement	Dark blood	Off
Resolution		Resp. control	Off
Base resolution	256	Inline	
Phase resolution	100 %		0"
Phase partial Fourier	Off	Subtract	Off
Trajectory	Cartesian	Std-Dev-Sag	Off
Interpolation	Off	Std-Dev-Cor	Off
	○ II	Std-Dev-Tra	Off
PAT mode	GRAPPA	Std-Dev-Time	Off
Accel. factor PE	2	MIP-Sag	Off
Ref. lines PE	24	MIP-Cor	Off
Matrix Coil Mode	Auto (Triple)	MIP-Tra	Off
Reference scan mode	Integrated	MIP-Time	Off
Reference scall mode	miegrateu	Save original images	On
Image Filter	Off	Toave original inlayes	On
Distortion Corr.	Off	Sequence	
	- **		

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	Off
Contrasts	2

Bandwidth 181 Hz/Px
Flow comp. No
Allowed delay 0 s
Echo spacing 10.2 ms

Define Turbo factor

Turbo factor 7
Echo trains per slice 20
RF pulse type Normal
Gradient mode Fast

\\USER\Functional\Dr. Duchesne_CIMAQ\CDIP-3.7_MNI\AXIAL_T2_STAR_iPAT2

	PAT: 2 Voxel size: 0.9×0.9×3	.0 mm Rel. SNR: 1.00 S	SIEMENS: gre
Droportico		Unfiltered images	Off
Properties		Prescan Normalize	On
Prio Recon	Off	Normalize	Off
Before measurement		B1 filter	Off
After measurement		Raw filter	Off
Load to viewer	On	Elliptical filter	On
Inline movie	Off	Mode	Inplane
Auto store images	On	Mode	прапе
Load to stamp segments	Off	Geometry	
Load images to graphic	Off	Multi-slice mode	Interleaved
segments		Series	Interleaved
Auto open inline display	Off		
Start measurement without	On	Saturation mode	Standard
further preparation	•	Special sat.	None
Wait for user to start	On		
Start measurements	single	Tim CT mode	Off
Start measurements	Sirigie		
Routine		System	0#
Slice group 1		Body	Off
Slices	48	HEP	On
Dist. factor	0 %	HEA	On
Position	R1.9 A13.4 H1.6	Positioning mode	FIX
Orientation	T > C-9.0		FIA H
Phase enc. dir.	R >> L	Table position	
Rotation	90.00 deg	Table position	0 mm
Phase oversampling	0 %	MSMA	S - C - T
FoV read	240 mm	Sagittal	L >> R
	-	Coronal	A >> P
FoV phase	100.0 %	Transversal	F >> H
Slice thickness	3.0 mm	Save uncombined	Off
TR	650 ms	Coil Combine Mode	Adaptive Combine
TE	20.00 ms	AutoAlign	Head > Basis
Averages	1	Auto Coil Select	Default
Concatenations	2		
Filter	Distortion Corr.(2D), Prescan	Shim mode	Tune up
	Normalize, Elliptical filter	Adjust with body coil	Off
Coil elements	HEA;HEP	Confirm freq. adjustment	Off
		Assume Silicone	Off
Contrast		? Ref. amplitude 1H	0.000 V
TD	0 ms	Adjustment Tolerance	Auto
MTC	Off	Adjust volume	
Magn. preparation	None	Position	Isocenter
Flip angle	20 deg	Orientation	Transversal
Fat suppr.	None	Rotation	0.00 deg
Water suppr.	None	R >> L	350 mm
SWI	Off	A >> P	263 mm
		F >> H	350 mm
Averaging mode	Long term		550 IIIII
Reconstruction	Magnitude	Physio	
Measurements	1	1st Signal/Mode	None
Multiple series	Each measurement	Segments	1
Resolution			
Base resolution	256	Dark blood	Off
Phase resolution	100 %	Resp. control	Off
Phase partial Fourier	Off	· ·	~··
Interpolation	Off	Inline	
	OII	Subtract	Off
PAT mode	GRAPPA	Liver registration	Off
Accel. factor PE	2	Std-Dev-Sag	Off
Ref. lines PE	24	Std-Dev-Cor	Off
Matrix Coil Mode	Auto (Triple)	Std-Dev-Tra	Off
Reference scan mode	Integrated	Std-Dev-Time	Off
	miegraieu 	MIP-Sag	Off
Image Filter	Off	MIP-Cor	Off
Distortion Corr.	On	MIP-Tra	Off
Mode	2D	MIP-Time	
Unfiltered images	Off		Off
1	- ··	Save original images	On

1	
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off
Sequence	
Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Off
Contrasts	1
Bandwidth	200 Hz/Px
Flow comp.	Slice/Read
Allowed delay	20 s
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
I iti spomig	On

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roperties		Series	Interleaved
Prio Recon	Off	Special sat.	None
Before measurement	0.11		
After measurement		System	
Load to viewer	On	Body	Off
Inline movie	Off	HEP	On
Auto store images	On	HEA	On
Load to stamp segments	On		
Load images to graphic	Off	Positioning mode	FIX
segments		Table position	H 0
Auto open inline display	Off	Table position MSMA	0 mm S - C - T
Start measurement without	On		S-C-1 R >> L
further preparation	_	Sagittal Coronal	R >> L P >> A
Wait for user to start	On .	Transversal	F >> H
Start measurements	single	Coil Combine Mode	Adaptive Combine
outine		AutoAlign	Head > Basis
Slice group 1		Auto Coil Select	Default
Slices	70		
Dist. factor	0 %	Shim mode	Standard
Position	R1.9 A9.6 H2.9	Adjust with body coil	Off
Orientation	T > C-9.0	Confirm freq. adjustment	Off
Phase enc. dir.	A >> P	Assume Silicone	Off
Rotation	0.00 deg	? Ref. amplitude 1H	0.000 V
Phase oversampling	0 %	Adjustment Tolerance Adjust volume	Auto
FoV read	256 mm	Position	R1.9 A9.6 H2.9
FoV phase	100.0 %	Orientation	T > C-9.0
Slice thickness	2 mm	Rotation	0.00 deg
TR TE	9400 ms 96 ms	R >> L	256 mm
	96 ms 1	A >> P	256 mm
Averages Concatenations	1	F >> H	140 mm
Filter	Raw filter, Prescan Normalize	I :	
Coil elements	HEA;HEP	Physio	Niere
	,	1st Signal/Mode	None
ontrast	0"	Resp. control	Off
MTC Magn propagation	Off None	Diff	
Magn. preparation		Diffusion mode	MDDW
Fat suppr.	Fat sat.		2
Averaging mode	Long term	b-value 1	0 s/mm²
Reconstruction	Magnitude	b-value 2	1000 s/mm²
Delay in TR	0 ms	Diff. weighted images	On
Multiple series	Off	Trace weighted images	Off
esolution		Average ADC maps	Off
Base resolution	128	Individual ADC maps	Off
Phase resolution	100 %	FA maps	Off
Phase partial Fourier	Off	Mosaic	On
Interpolation	Off	Tensor	Off
		Noise level	40
PAT mode	GRAPPA	Diff. directions	30
Accel. factor PE	2	Sequence	
Ref. lines PE Matrix Coil Mode	38 Auto (Triple)	Introduction	Off
Reference scan mode	Auto (Triple) Separate	Bandwidth	2056 Hz/Px
Note of the stall illude		Free echo spacing	Off
	Off	Echo spacing	0.69 ms
Distortion Corr.	Oli		
Distortion Corr. Prescan Normalize	On	EDI (:	400
		EPI factor	128
Prescan Normalize Raw filter Intensity	On On Weak	RF pulse type	Normal
Prescan Normalize Raw filter Intensity Slope	On On Weak 25		
Prescan Normalize Raw filter Intensity	On On Weak	RF pulse type	Normal

Multi-slice mode

Interleaved

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Rel. SNR: 1.00

! SIEMENS: ep2d_diff

Voxel size: 2.0×2.0×2.0 mm

TA: 0:38

PAT: 2

L			
Properties		Special sat.	None
Prio Recon	Off	.	
Before measurement		System	
After measurement		Body	Off
Load to viewer	On	HEP	On
Inline movie	Off	HEA	On
Auto store images	On	Positioning mode	FIX
Load to stamp segments	On	Positioning mode Table position	H
Load images to graphic	Off	Table position	0 mm
segments	2"	MSMA	S - C - T
Auto open inline display	Off	Sagittal	R >> L
Start measurement without	On	Coronal	P >> A
further preparation	0#	Transversal	F >> H
Wait for user to start	Off	Coil Combine Mode	Adaptive Combine
Start measurements	single	AutoAlign	Head > Basis
Routine		Auto Coil Select	Default
Slice group 1			
Slices	70	Shim mode	Standard
Dist. factor	0 %	Adjust with body coil	Off
Position	R1.9 A9.6 H2.9	Confirm freq. adjustment	Off
Orientation	T > C-9.0	Assume Silicone	Off
Phase enc. dir.	A >> P	? Ref. amplitude 1H	0.000 V
Rotation	0.00 deg	Adjustment Tolerance	Auto
Phase oversampling	0 %	Adjust volume	D4 0 40 0 110 0
FoV read	256 mm	Position	R1.9 A9.6 H2.9
FoV phase	100.0 %	Orientation	T > C-9.0
Slice thickness	2.0 mm	Rotation	0.00 deg
TR	9400 ms	R >> L A >> P	256 mm 256 mm
TE	96 ms	F >> H	
Averages	1	г>>п	140 mm
Concatenations	1	Physio	
Filter	Raw filter, Prescan Normalize	1st Signal/Mode	None
Coil elements	HEA;HEP	Resp. control	Off
Contrast	~"	1	
MTC	Off	Diff	1 Coop Tropp
Magn. preparation	None	Diffusion mode	1-Scan Trace
Fat suppr.	Fat sat.	Diff. weightings b-value	1 0 s/mm²
Averaging mode	Long term	Diff. weighted images	Off
Reconstruction	Magnitude	Trace weighted images	On
Delay in TR	0 ms	Average ADC maps	Off
Resolution		Individual ADC maps	Off
	120	FA maps	Off
Base resolution Phase resolution	128 100 %	Mosaic	Off
Phase partial Fourier	Off	Tensor	Off
Interpolation	Off	Noise level	40
		•	
PAT mode	GRAPPA	Sequence	Off
Accel. factor PE	2	Introduction Bandwidth	Οπ 2056 Hz/Px
Ref. lines PE	38	Free echo spacing	Off
Matrix Coil Mode	Auto (Triple)	Echo spacing	0.69 ms
Reference scan mode	Separate		0.09 1115
Distortion Corr.	Off	EPI factor	128
Prescan Normalize	On	RF pulse type	Normal
Raw filter	On	Gradient mode	Fast
Intensity	Weak		
Slope	25		
Elliptical filter	Off		
Hamming	0"		
	Off		
	Oπ		
Geometry			
	Interleaved Interleaved		

\\USER\Functional\Dr. Duchesne_CIMAQ\CDIP-3.7_MNI\DWI-B03_PA

roperties		Special sat.	None
Prio Recon	Off		
Before measurement		System	
After measurement Load to viewer	On	Body	Off
Inline movie	Off	HEP	On On
		HEA	On
Auto store images	On On	Positioning mode	FIX
Load to stamp segments Load images to graphic	Off	Table position	H
segments	Oli	Table position	0 mm
Auto open inline display	Off	MSMA	S - C - T
Start measurement without	On	Sagittal	R >> L
further preparation	OII	Coronal	P >> A
Wait for user to start	Off	Transversal	F >> H
		Coil Combine Mode	Adaptive Combine
Start measurements	single	AutoAlign	Head > Basis
outine		Auto Coil Select	Default
Slice group 1			
Slices	70	Shim mode	Standard
Dist. factor	0 %	Adjust with body coil	Off
Position	R1.9 A9.6 H2.9	Confirm freq. adjustment	Off
Orientation	T > C-9.0	Assume Silicone	Off
Phase enc. dir.	P >> A	? Ref. amplitude 1H	0.000 V
Rotation	180.00 deg	Adjustment Tolerance	Auto
Phase oversampling	0 %	Adjust volume	
FoV read	256 mm	Position	R1.9 A9.6 H2.9
FoV phase	100.0 %	Orientation	T > C-9.0
Slice thickness	2.0 mm	Rotation	180.00 deg
TR	9400 ms	R >> L	256 mm
TE	96 ms	A >> P	256 mm
Averages	1	F >> H	140 mm
Concatenations	1	Physio	
Filter	Raw filter, Prescan Normalize	1st Signal/Mode	None
Coil elements	HEA;HEP		
ontrast		Resp. control	Off
MTC	Off	Diff	
Magn. preparation	None	Diffusion mode	1-Scan Trace
Fat suppr.	Fat sat.	Diff. weightings	1
		b-value	0 s/mm²
Averaging mode	Long term	Diff. weighted images	Off
Reconstruction	Magnitude	Trace weighted images	On
Delay in TR	0 ms	Average ADC maps	Off
esolution		Individual ADC maps	Off
Base resolution	128	FA maps	Off
Phase resolution	100 %	Mosaic	Off
		Tensor	Off
Phase partial Fourier	Off	Noise level	40
Interpolation	Off	I	40
PAT mode	GRAPPA	Sequence	
Accel, factor PE	2	Introduction	Off
Ref. lines PE	38	Bandwidth	2056 Hz/Px
Matrix Coil Mode	Auto (Triple)	Free echo spacing	Off
Reference scan mode	Separate	Echo spacing	0.69 ms
		EDI factor	
Distortion Corr.	Off	EPI factor RF pulse type	128 Normal
Prescan Normalize	On	Gradient mode	
Raw filter	On	Gradient mode	Fast
Intensity	Weak		
Slope	25		
Elliptical filter	Off		
Hamming	Off		
eometry			
Geometry Multi-slice mode	Interleaved		

Interleaved

Series

\\USER\Functional\Dr. Duchesne_CIMAQ\CDIP-3.7_MNI\BOLD_Resting_State_AC-PC TA: 10:41 PAT: 2 Voxel size: 3.5×3.5×3.5 mm Rel. SNR: 1.00 SIEMENS: ep2d_bold

Properties		Series	Interleaved
Prio Recon	Off	Special sat.	None
Before measurement		· ·	
After measurement		System	Off
Load to viewer	On	Body HEP	On
Inline movie	Off	HEA	On
Auto store images	On	I ILA	OII
Load to stamp segments	Off	Positioning mode	FIX
Load images to graphic	Off	Table position	Н
segments	0"	Table position	0 mm
Auto open inline display	Off	MSMA	S - C - T
Start measurement without	On	Sagittal	L >> R
further preparation Wait for user to start	On	Coronal	A >> P
Start measurements	_	Transversal	F >> H
Start measurements	single	Coil Combine Mode	Adaptive Combine
Routine		AutoAlign	Head > Basis
Slice group 1		- Auto Coil Select	Default
Slices	40	Shim mode	Standard
Dist. factor	0 %	Adjust with body coil	Off
Position	R1.9 A10.3 H1.8	Confirm freq. adjustment	Off
Orientation	T > C-9.0	Assume Silicone	Off
Phase enc. dir.	A >> P	? Ref. amplitude 1H	0.000 V
Rotation	0.00 deg	Adjustment Tolerance	Auto
Phase oversampling	0 %	Adjust volume	
FoV read	224 mm	Position	R1.9 A10.3 H1.8
FoV phase	100.0 %	Orientation	T > C-9.0
Slice thickness TR	3.5 mm 2110 ms	Rotation	0.00 deg
TE	30 ms	R >> L	224 mm
Averages	1	A >> P	224 mm
Concatenations	1	F >> H	140 mm
Filter	Prescan Normalize	Physio	
Coil elements	HEA;HEP	1st Signal/Mode	None
1		BOLD	
Contrast MTC	Off	GLM Statistics	Off
Flip angle	70 deg	Dynamic t-maps	Off
Fat suppr.	Fat sat.	Starting ignore meas	0
1 at suppr.	1 at 3at.	Ignore after transition	0
Averaging mode	Long term	Model transition states	On
Reconstruction	Magnitude	Temp. highpass filter	On
Measurements	300	Threshold	4.00
Delay in TR	0 ms	Paradigm size	20
Multiple series	Off	Meas[1]	Baseline
Resolution		Meas[2]	Baseline
Base resolution	64	- Meas[3]	Baseline
Phase resolution	100 %	Meas[4]	Baseline
Phase partial Fourier	Off	Meas[5]	Baseline
Interpolation	Off	Meas[6]	Baseline
DAT mode	CDADDA	Meas[7]	Baseline
PAT mode	GRAPPA	Meas[8]	Baseline
Accel. factor PE Ref. lines PE	2 24	Meas[9]	Baseline Baseline
Matrix Coil Mode	Auto (Triple)	Meas[10]	Baseline Active
Reference scan mode	Separate	Meas[11] Meas[12]	Active
		Meas[12] Meas[13]	Active
Distortion Corr.	Off	Meas[13] Meas[14]	Active
Unfiltered images	Off	Meas[15]	Active
Prescan Normalize	On	Meas[16]	Active
Raw filter	On	Meas[17]	Active
Elliptical filter	Off	Meas[18]	Active
Hamming	Off	Meas[19]	Active
Geometry		Meas[20]	Active
Multi-slice mode	Interleaved	Motion correction	Off
		1	

Spatial filter	Off
Sequence	
Introduction	On
Bandwidth	2442 Hz/Px
Free echo spacing	Off
Echo spacing	0.49 ms
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast*

\\USER\Functional\Dr. Duchesne_CIMAQ\CDIP-3.7_MNI\BOLD_RS_fieldmap_gre_field_mapping
TA: 1:13 Voxel size: 3.0×3.0×3.5 mm Rel. SNR: 1.00 SIEMENS: gre_field_mapping

Properties		System	
Prio Recon	Off	Body	Off
Before measurement	O.I.	HEP	On
After measurement		I HEA	On
Load to viewer	On		
Inline movie	Off	Positioning mode	FIX
Auto store images	On	Table position	Н
Load to stamp segments	Off	Table position	0 mm
	Off	MSMA	S - C - T
Load images to graphic	Oil	Sagittal	L >> R
segments	0#	Coronal	A >> P
Auto open inline display	Off	Transversal	F >> H
Start measurement without	On	Save uncombined	Off
further preparation	0"	Coil Combine Mode	Sum of Squares
Wait for user to start	Off	AutoAlign	Head > Basis
Start measurements	single	Auto Coil Select	Default
Routine			
Slice group 1		Shim mode	Standard
Slices	40	Adjust with body coil	Off
Dist. factor	0 %	Confirm freq. adjustment	Off
Position	R1.9 A10.3 H1.8	Assume Silicone	Off
Orientation	T > C-9.0	? Ref. amplitude 1H	0.000 V
Phase enc. dir.	A >> P	Adjustment Tolerance	Auto
Rotation	0.00 deg	Adjust volume	
Phase oversampling	0 %	Position	R1.9 A10.3 H1.8
FoV read	224 mm	Orientation	T > C-9.0
FoV phase	100.0 %	Rotation	0.00 deg
Slice thickness	3.5 mm	R >> L	224 mm
TR	476 ms	A >> P	224 mm
TE 1	4.92 ms	F >> H	140 mm
TE 2	7.38 ms	0	
	7.30 ms 1	Sequence	
Averages	1	Introduction	On
Concatenations	T Name	Dimension	2D
Filter	None	Asymmetric echo	Off
Coil elements	HEA;HEP	Contrasts	2
Contrast		Bandwidth	268 Hz/Px
MTC	Off	Flow comp.	Yes
Flip angle	60 deg	RF pulse type	Normal
Fat suppr.	None	Gradient mode	Normal
		RF spoiling	On
Averaging mode	Long term	10 Spoiling	Oli
Reconstruction	Magn./Phase		
Measurements	1		
Multiple series	Off		
Resolution			
Base resolution	74		
Phase resolution	100 %		
Phase partial Fourier	Off		
Interpolation	Off		
Matrix Coil Mode	Auto (CP)		
Image Filter	Off		
Distortion Corr.	Off		
Prescan Normalize	Off		
Normalize	Off		
B1 filter	Off		
Raw filter	Off		
Elliptical filter	Off		
1	Oil		
Geometry			
Multi-slice mode	Interleaved		
Series	Descending		
Special sat.	None		
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