#### \\USER\CBU\CamCan\CamCAN700\_final\32 Channel Localizer

PAT: Off Voxel size: 1.1×1.0×7.0 mm Rel. SNR: 1.00 TA: 0:13 SIEMENS: gre

		Phase resolution	90 %
Properties		Phase resolution  Phase partial Fourier	90 % Off
Prio Recon	Off	Interpolation	On
Before measurement		·····	
After measurement	_	PAT mode	None
Load to viewer	On	Matrix Coil Mode	Auto (CP)
Inline movie	Off	Image Filter	Off
Auto store images	On	Distortion Corr.	Off
Load to stamp segments	Off	Unfiltered images	Off
Load images to graphic	Off	Prescan Normalize	On
segments	0"	Normalize	Off
Auto open inline display	Off	B1 filter	Off
Start measurement without	Off	Raw filter	Off
further preparation	0#	Elliptical filter	On
Wait for user to start	Off	Mode	Inplane
Start measurements	single	1	P - 22 - 2
Routine		Geometry Multi aliaa mada	Cognostial
Slice group 1		- Multi-slice mode Series	Sequential Interleaved
Slices	1	361165	mileneaveu
Dist. factor	20 %	Saturation mode	Standard
Position	L0.0 A20.0 H0.0	Special sat.	None
Orientation	Sagittal		
Phase enc. dir.	A >> P	Tim CT mode	Off
Rotation	0.00 deg	1	
Slice group 2	4	System	Off
Slices	1	Body	
Dist. factor	20 %	HEP	On
Position	L0.0 A24.1 H0.0	HEA SP4	On Off
Orientation	Transversal	SP2	Off
Phase enc. dir.	A >> P	SP8	Off
Rotation	0.00 deg	SP6	Off
Slice group 3	4	SP3	Off
Slices Dist. factor	1 20 %	SP1	Off
Position		SP7	Off
Orientation	L0.0 A24.1 H0.0 Coronal	SP5	Off
Phase enc. dir.	R >> L		
Rotation	0.00 deg	Positioning mode	REF
Phase oversampling	0.00 deg 0 %	Table position	Н
FoV read	250 mm	Table position	0 mm
FoV phase	100.0 %	MSMA	S - C - T
Slice thickness	7.0 mm	Sagittal	R >> L
TR	8.6 ms	Coronal	A >> P
TE	4.00 ms	Transversal	F >> H
Averages	2	Save uncombined	Off
Concatenations	3	Coil Combine Mode	Adaptive Combine
Filter	Prescan Normalize, Elliptical	AutoAlign Auto Coil Select	 Default
	filter	Auto Coli Select	Delauit
Coil elements	HEA;HEP	Shim mode	Tune up
Contrast		Adjust with body coil	Off
TD	0 ms	Confirm freq. adjustment	Off
MTC	Off	Assume Silicone	Off
Magn. preparation	None	? Ref. amplitude 1H	0.000 V
Flip angle	20 deg	Adjustment Tolerance	Auto
Fat suppr.	None	Adjust volume	
Water suppr.	None	Position	Isocenter
SWI	Off	Orientation	Transversal
		Rotation	0.00 deg
Averaging mode	Short term	R >> L	350 mm
Reconstruction	Magnitude	A >> P	263 mm
Measurements	Took management	F >> H	350 mm
Multiple series	Each measurement	Physio	
Resolution		1st Signal/Mode	None
Base resolution	256	Segments	1
		57/+	

Dark blood	Off
Resp. control	Off
nline	
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

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	PAT: 2 Voxel size: 1.0x	1.0×1.0 mm Rel. SNR: 1.00	SIEMENS: tfl
D (		Unfiltered images	Off
Properties		Prescan Normalize	On
Prio Recon	Off	Normalize	Off
Before measurement		B1 filter	Off
After measurement	0.5	Raw filter	Off
Load to viewer	On Off	Elliptical filter	Off
Inline movie	Off	Coomotime	
Auto store images	On	Geometry	0: 1 1
Load to stamp segments	On O"	Multi-slice mode	Single shot
Load images to graphic segments	Off	Series	Interleaved
Auto open inline display	Off	System	
Start measurement without	On	Body	Off
further preparation	2"	HEP	On
Wait for user to start	Off	HEA	On
Start measurements	single	SP4	Off
Routine		SP2	Off
Slab group 1		—— SP8	Off
Slabs	1	SP6	Off
Dist. factor	50 %	SP3	Off
Position	R1.3 A28.2 H0.0	SP1	Off
Orientation	S > T-0.8 > C0.2	SP7	Off
Phase enc. dir.	A >> P	SP5	Off
Rotation	0.00 deg	Positioning mode	REF
Phase oversampling	0 %	Table position	H
Slice oversampling	25.0 %	Table position	0 mm
Slices per slab	192	MSMA	S - C - T
FoV read	256 mm	Sagittal	R >> L
FoV phase	100.0 %	Coronal	A >> P
Slice thickness	1.00 mm	Transversal	F >> H
TR	2250 ms	Save uncombined	Off
TE	2.98 ms	Coil Combine Mode	Adaptive Combine
Averages	1	AutoAlign	
Concatenations	1	Auto Coil Select	Default
Filter	Prescan Normalize		
Coil elements	HEA;HEP	Shim mode	Standard
_	,	Adjust with body coil	Off
Contrast		Confirm freq. adjustment	Off
Magn. preparation	Non-sel. IR	Assume Silicone	Off
<u>Tl</u>	900 ms	? Ref. amplitude 1H	0.000 V
Flip angle	9 deg	Adjustment Tolerance	Auto
Fat suppr.	None	Adjust volume	
Water suppr.	None	Position	R1.3 A28.2 H0.0
Averaging mode	Long term	Orientation	S > T-0.8 > C0.2
Reconstruction	Magnitude	Rotation	0.00 deg
Measurements	1	F >> H	256 mm
Multiple series	Each measurement	A >> P	256 mm
		R >> L	192 mm
Resolution	0.50	—— Physio	
Base resolution	256	1st Signal/Mode	None
Phase resolution	96 %		
Slice resolution	100 %	Dark blood	Off
Phase partial Fourier	7/8	Resp. control	Off
Slice partial Fourier	Off	1 '	Oil
Interpolation	Off	Inline	
PAT mode	GRAPPA	Subtract	Off
Accel. factor PE	2	Std-Dev-Sag	Off
Ref. lines PE	24	Std-Dev-Cor	Off
Accel, factor 3D	1	Std-Dev-Tra	Off
Matrix Coil Mode	Auto (Triple)	Std-Dev-Time	Off
Reference scan mode	Integrated	MIP-Sag	Off
		····· MIP-Cor	Off
Image Filter	Off	MIP-Tra	Off
Distortion Corr.	Off	MIP-Time	Off

1	Save original images	On
	Sequence	
Γ	Introduction	On
ı	Dimension	3D
	Elliptical scanning	Off
	Asymmetric echo	Off
	Bandwidth	230 Hz/Px
	Flow comp.	No
	Echo spacing	7 ms
ľ	RF pulse type	Fast
	Gradient mode	Fast*
	Excitation	Non-sel.
	RF spoiling	On

TA: 4:30 PA	T: 2 Voxel size: 1.0×1.0×1.0	mm Rel. SNR: 1.00 SI	EMENS: tse_vfl
No		Normalize	Off
Properties		B1 filter	Off
Prio Recon	Off	Raw filter	On
Before measurement		Intensity	Weak
After measurement		Slope	25
Load to viewer	On	Elliptical filter	Off
Inline movie	Off		
Auto store images	On	Geometry	
Load to stamp segments	Off	0 : 1 :	N I
Load images to graphic	Off	Special sat.	None
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	SP4	Off
Start measurements	Sirigle	SP2	Off
Routine		SP8	Off
Slab group 1		SP6	Off
Slabs	1	SP3	Off
Position	R1.3 A28.2 H0.0	SP1	Off
Orientation	S > T-0.8 > C0.2	SP7	Off
Phase enc. dir.	A >> P		_
Rotation		SP5	Off
	0.00 deg	Positioning mode	FIX
Phase oversampling	15 %	Table position	H
Slice oversampling	0.0 %	Table position	0 mm
Slices per slab	192	MSMA	S - C - T
FoV read	256 mm	_	
FoV phase	100.0 %	Sagittal	R >> L
Slice thickness	1.00 mm	Coronal	A >> P
TR	2800 ms	Transversal	F >> H
TE	408 ms	Save uncombined	Off
Averages	1.0	Coil Combine Mode	Adaptive Combine
Concatenations	1	AutoAlign	
Filter	Raw filter, Prescan Normalize	Auto Coil Select	Default
Coil elements	HEA;HEP		
Con elements	IILA,IILF	Shim mode	Tune up
Contrast		Adjust with body coil	Off
MTC	Off	Confirm freq. adjustment	Off
Magn. preparation	None	Assume Silicone	Off
Fat suppr.	None	? Ref. amplitude 1H	0.000 V
Water suppr.	None	Adjustment Tolerance	Auto
Restore magn.	Off	Adjust volume	
		Position	Isocenter
Reconstruction	Magnitude	Orientation	Transversal
Measurements	1	Rotation	0.00 deg
Multiple series	Each measurement	R >> L	350 mm
•		A >> P	263 mm
Resolution		F >> H	
Base resolution	256	F >> H	350 mm
Phase resolution	100 %	Physio	
Slice resolution	100 %	1st Signal/Mode	None
Phase partial Fourier	Allowed		
Slice partial Fourier	Off	Dark blood	Off
Interpolation	Off		
		Resp. control	Off
PAT mode	GRAPPA	Inline	
Accel. factor PE	2	Subtract	Off
Ref. lines PE	24		
	1	Std-Dev-Sag	Off
Accel. factor 3D	Auto (Triple)	Std-Dev-Cor	Off
Accel. factor 3D Matrix Coil Mode		Std-Dev-Tra	Off
Matrix Coil Mode			
	Integrated	Std-Dev-Time	Off
Matrix Coil Mode Reference scan mode	Integrated	Std-Dev-Time MIP-Sag	Off Off
Matrix Coil Mode Reference scan mode Image Filter	Integrated Off		_
Matrix Coil Mode Reference scan mode Image Filter Distortion Corr.	Integrated Off Off	MIP-Sag MIP-Cor	Off Off
Matrix Coil Mode Reference scan mode Image Filter	Integrated Off	MIP-Sag	Off

Introduction	On
Dimension	3D
Bandwidth	751 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	3.36 ms
Adiabatic-mode	Off
Define	Echo trains
Turbo factor	159
Slice turbo factor	2
Echo trains per slice	1
Echo train duration	937
RF pulse type	Normal
Gradient mode	Fast
Excitation	Non-sel.
Flip angle mode	T2 var

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Rel. SNR: 1.00

SIEMENS: ep2d\_pace

Voxel size: 3.0x3.0x3.7 mm

PAT: Off

TA: 8:40

Special sat.

None

TA. 0.40 FAT.	OII VOXEI SIZE. 3.0X3.0X3	IIIII IXEI. SIVIX. 1.00 SILI	исто. ерzu_расе
Properties		System	
Prio Recon	Off	Body	Off
Before measurement		HEP	On
After measurement		HEA	On
Load to viewer	On	SP4	Off
Inline movie	Off	SP2	Off
Auto store images	On	SP8	Off
Load to stamp segments	Off	SP6	Off
Load images to graphic	Off	SP3	Off
segments		SP1	Off
Auto open inline display	On	SP7	Off
Start measurement without	On	SP5	Off
further preparation			
Wait for user to start	On	Positioning mode	REF
Start measurements	single	Table position	Н
	3 -	Table position	0 mm
Routine		MSMA	S - C - T
Slice group 1		Sagittal	R >> L
Slices	32	Coronal	A >> P
Dist. factor	20 %	Transversal	F >> H
Position	L0.4 P1.7 F7.9	Coil Combine Mode	Sum of Squares
Orientation	T > C-31.6	AutoAlign	
Phase enc. dir.	A >> P	Auto Coil Select	Default
Rotation	0.00 deg	Shim mode	Standard
Phase oversampling	0 %		Off
FoV read	192 mm	Adjust with body coil	
FoV phase	100.0 %	Confirm freq. adjustment	Off
Slice thickness	3.7 mm	Assume Silicone	Off
TR	1970 ms	? Ref. amplitude 1H	0.000 V
TE	30 ms	Adjustment Tolerance	Auto
Averages	1	Adjust volume	104547570
Concatenations	1	Position	L0.4 P1.7 F7.9
Filter	Prescan Normalize	Orientation	T > C-31.6
Coil elements	HEA;HEP	Rotation	0.00 deg
Otut		R >> L	192 mm
Contrast	011	A >> P	192 mm
MTC	Off	F >> H	142 mm
Flip angle	78 deg	Physio	
Fat suppr.	Fat sat.	1st Signal/Mode	None
Averaging mode	Long term	1	
Reconstruction	Magnitude	BOLD	
Measurements	261	GLM Statistics	Off
Delay in TR	0 ms	Dynamic t-maps	Off
Multiple series	Off	Starting ignore meas	0
•	<del></del>	Ignore after transition	0
Resolution		Model transition states	Off
Base resolution	64	Temp. highpass filter	Off
Phase resolution	100 %	Threshold	3.00
Phase partial Fourier	Off	Paradigm size	3
Interpolation	Off	Meas[1]	Baseline
DAT made	None	Meas[2]	Baseline
PAT mode	None	Meas[3]	Active
Matrix Coil Mode	Auto (CP)	Motion correction	Off
Distortion Corr.	Off	Spatial filter	Off
Unfiltered images	Off	Common	
Prescan Normalize	On	Sequence	
Raw filter	On	Introduction	On
Elliptical filter	Off	Bandwidth	2232 Hz/Px
Hamming	Off	Free echo spacing	Off
· ·	OII	Echo spacing	0.51 ms
Geometry		EPI factor	64
Multi-slice mode	Interleaved	RF pulse type	Normal
Series	Descending	Gradient mode	Fast
		Tradione mode	. 401

\\USER\CBU\CamCan\CamCAN700_final\CBU_EPI_sensorimotor_task			
TA: 8:40 PAT: 0	Off Voxel size: 3.0x3.0x3.7	mm Rel. SNR: 1.00 SIEN	/IENS: ep2d_pace
D		0	
Properties		System	
Prio Recon	Off	Body	Off
Before measurement		HEP	On
After measurement		HEA	On O"
Load to viewer	On O"	SP4	Off
Inline movie	Off	SP2	Off
Auto store images	On O"	SP8	Off
Load to stamp segments	Off	SP6	Off
Load images to graphic	Off	SP3 SP1	Off Off
segments Auto open inline display	Off	SP7	Off
Start measurement without	On	SP5	Off
further preparation	Oli		
Wait for user to start	On	Positioning mode	FIX
Start measurements	single	Table position	Н
	Sirigio	Table position	0 mm
Routine		MSMA	S - C - T
Slice group 1		Sagittal	R >> L
Slices	32	Coronal	A >> P
Dist. factor	20 %	Transversal	F >> H
Position	L0.4 P1.7 F7.9	Coil Combine Mode	Sum of Squares
Orientation	T > C-31.6	AutoAlign	
Phase enc. dir.	A >> P	Auto Coil Select	Default
Rotation	0.00 deg	Shim mode	Standard
Phase oversampling	0 %	Adjust with body coil	Off
FoV read	192 mm	Confirm freq. adjustment	Off
FoV phase	100.0 %	Assume Silicone	Off
Slice thickness	3.7 mm	? Ref. amplitude 1H	0.000 V
TR	1970 ms	Adjustment Tolerance	Auto
TE	30 ms	Adjust volume	
Averages Concatenations	1	Position	L0.4 P1.7 F7.9
Filter	Prescan Normalize	Orientation	T > C-31.6
Coil elements	HEA;HEP	Rotation	0.00 deg
Coll elements	пеа,пер	R >> L	192 mm
Contrast		A >> P	192 mm
MTC	Off	F >> H	142 mm
Flip angle	78 deg	Physic	
Fat suppr.	Fat sat.	Physio 1st Signal/Mode	None
Averaging mode	Long term	1st Signal/Mode	None
Reconstruction	Magnitude	BOLD	
Measurements	261	GLM Statistics	Off
Delay in TR	0 ms	Dynamic t-maps	Off
Multiple series	Off	Starting ignore meas	0
		Ignore after transition	0
Resolution	0.1	Model transition states	Off
Base resolution	64	Temp. highpass filter	Off
Phase resolution	100 %	Threshold	3.00
Phase partial Fourier	Off	Paradigm size	3
Interpolation	Off	Meas[1]	Baseline
PAT mode	None	Meas[2]	Baseline
Matrix Coil Mode	Auto (CP)	Meas[3]	Active
		Motion correction	Off
Distortion Corr.	Off	Spatial filter	Off
Unfiltered images	Off	Sequence	
Prescan Normalize	On	Introduction	On
Raw filter	On O"	Bandwidth	2232 Hz/Px
Elliptical filter	Off	Free echo spacing	Off
Hamming	Off	Echo spacing	0.51 ms
Geometry			

EPI factor

RF pulse type

Gradient mode

64

Normal

Fast

Geometry

Series

Special sat.

Multi-slice mode

Interleaved

Descending

None

#### \\USER\CBU\CamCan\CamCAN700 final\CBU MEPI5 movie TA: 8:13 PAT: 3 Voxel size: 3.0×3.0×3.7 mm Rel. SNR: 1.00 USER: BP\_ep2d\_multipurpose Elliptical filter Off **Properties** Hamming Off Prio Recon Off Geometry Before measurement Multi-slice mode After measurement Interleaved On Descending Load to viewer Series Inline movie Off Special sat. None Auto store images On Load to stamp segments Off System Load images to graphic Off Body Off segments HEP On Auto open inline display Off HEA On Start measurement without On Off SP4 further preparation SP2 Off On Wait for user to start SP8 Off Start measurements single SP6 Off SP3 Off Routine SP1 Off Slice group 1 SP7 Off Slices 32 SP5 Off Dist. factor 20 % Position L0.4 P1.7 F7.9 Positioning mode FIX Orientation T > C-31.6Table position Н Phase enc. dir. A >> P Table position 0 mm 0.00 deg Rotation **MSMA** S - C - T Phase oversampling 0 % Sagittal R >> L FoV read 192 mm Coronal A >> P FoV phase 100.0 % Transversal F >> H Slice thickness 3.7 mm Sum of Squares Coil Combine Mode TR 2470 ms AutoAlign TE 1 9.4 ms Auto Coil Select Default TE 2 21.2 ms Shim mode Standard TE 3 33 ms Adjust with body coil Off TE 4 45 ms Confirm freq. adjustment Off TE 5 57 ms Assume Silicone Off **Averages** ? Ref. amplitude 1H 0.000 V Concatenations Adjustment Tolerance Auto Filter Prescan Normalize Adjust volume Coil elements HEA;HEP Position L0.4 P1.7 F7.9 Contrast Orientation T > C-31.6MTC Off 0.00 deg Rotation Flip angle 78 deg R >> L 192 mm Fat suppr. Fat sat. A >> P 192 mm F >> H 142 mm Averaging mode Long term Reconstruction Magnitude 194 Measurements 1st Signal/Mode None Delay in TR 0 ms **BOLD** Multiple series Off Off **GLM Statistics** Resolution Dynamic t-maps Off Base resolution 64 Starting ignore meas 0 Phase resolution 100 % Ignore after transition 0 Phase partial Fourier Off Model transition states On Interpolation Off Temp. highpass filter On Threshold 4.00 PAT mode **GRAPPA** Paradigm size 3 Accel. factor PE 3 Meas[1] Baseline Ref. lines PE 60 Meas[2] Baseline Auto (Triple) Matrix Coil Mode Meas[3] Active Separate Reference scan mode Motion correction Off Off Off Distortion Corr. Spatial filter Unfiltered images Off Sequence Prescan Normalize On

Raw filter

On

Introduction

Contrasts

On

5

	Bandwidth Free echo spacing Echo spacing	2520 Hz/Px Off 0.5 ms
	EPI factor RF pulse type Gradient mode	64 Normal Fast
	perform prepscans PE direction Ice Program sequence mode trigger mode delay 1st & 2nd echo delay later echoes	yes Normal (A-P) Dicoms Normal (ME)EPI per volume 0 ms 0 ms
ı	z shim	0.00 mT/m*ms

\\USER\CBU\CamCan\CamCAN700\_final\CBU\_FieldMapping

Rel. SNR: 1.00

SIEMENS: gre\_field\_mapping

Voxel size: 3.0x3.0x3.7 mm

TA: 0:54

Properties		System	
Prio Recon	Off	Body	Off
Before measurement		HEP	On
After measurement		HEA	On
Load to viewer	On	SP4	Off
Inline movie	Off	SP2	Off
Auto store images	On	SP8	Off
Load to stamp segments	Off	SP6	Off
			Off
Load images to graphic	Off	SP3	
segments		SP1	Off
Auto open inline display	Off	SP7	Off
Start measurement without	On	SP5	Off
further preparation		Desitioning and de	FIV
Wait for user to start	On	Positioning mode	FIX
Start measurements	single	Table position	Н
	5g.5	Table position	0 mm
Routine		MSMA	S - C - T
Slice group 1		Sagittal	R >> L
Slices	32	Coronal	A >> P
Dist. factor	20 %	Transversal	F >> H
Position	L0.4 P1.7 F7.9	Save uncombined	Off
Orientation	T > C-31.6	Coil Combine Mode	Adaptive Combine
Phase enc. dir.			•
	A >> P	AutoAlign	
Rotation	0.00 deg	Auto Coil Select	Default
Phase oversampling	0 %	Shim mode	Standard
FoV read	192 mm		
FoV phase	100.0 %	Adjust with body coil	Off
Slice thickness	3.7 mm	Confirm freq. adjustment	Off
TR	400 ms	Assume Silicone	Off
TE 1	5.19 ms	? Ref. amplitude 1H	0.000 V
TE 2	7.65 ms	Adjustment Tolerance	Auto
	1	Adjust volume	
Averages		Position	L0.4 P1.7 F7.9
Concatenations	1	Orientation	T > C-31.6
Filter	None	Rotation	0.00 deg
Coil elements	HEA;HEP	R >> L	192 mm
Contrast			
	0"	A >> P	192 mm
MTC	Off	F >> H	142 mm
Flip angle	60 deg	Sequence	
Fat suppr.	None	Introduction	On
Averaging made	Long torm		
Averaging mode	Long term	Dimension	2D
Reconstruction	Magn./Phase	Asymmetric echo	Off
Measurements	1	Contrasts	2
Multiple series	Each measurement	Bandwidth	260 Hz/Px
Resolution		Flow comp.	Yes
	0.4	<del></del>	
Base resolution	64	RF pulse type	Normal
Phase resolution	100 %	Gradient mode	Normal
Phase partial Fourier	Off	RF spoiling	On
Interpolation	Off	1	
Matrix Coil Mode	Auto (CP)		
Image Filter	Off		
Distortion Corr.	Off		
Prescan Normalize	Off		
Normalize	Off		
B1 filter	Off		
Raw filter	Off		
naw iiilei			
Filling and filter	Off		
Elliptical filter			
Geometry			
•	Interleaved	<u> </u>	
Geometry	Interleaved Interleaved		

#### $\verb|\USER\CBU\CamCan\CamCAN700_final\CBU\_DKI\_30dir\_2bvals||$

TA: 10:02 PAT: 2 Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 SIEMENS: ep2d\_diff

		I Series	Interleaved
Properties	0"		
Prio Recon Before measurement	Off	Special sat.	None
After measurement		System	
Load to viewer	On	System	0#
Inline movie	Off	Body HEP	Off On
Auto store images	On	HEA	On
Load to stamp segments	Off	SP4	Off
Load images to graphic	Off	SP2	Off
segments	<b>.</b>	SP8	Off
Auto open inline display	Off	SP6	Off
Start measurement without	On	SP3	Off
further preparation		SP1	Off
Wait for user to start	On	SP7	Off
Start measurements	single	SP5	Off
Routine		Positioning mode	FIX
Slice group 1		Table position	H
Slices	66	Table position	0 mm
Dist. factor	0 %	MSMA	S - C - T
Position	L6.7 A9.2 F27.2	Sagittal	R >> L
Orientation	T > C-17.7 > S-2.1	Coronal	A >> P
Phase enc. dir.	A >> P	Transversal	F >> H
Rotation	-0.80 deg	Coil Combine Mode	Adaptive Combine
Phase oversampling	0 %	AutoAlign	·
FoV read	192 mm	Auto Coil Select	Default
FoV phase	100.0 %	China mada	Ctondord
Slice thickness	2 mm	Shim mode	Standard
TR	9100 ms	Adjust with body coil	Off Off
TE	104 ms	Confirm freq. adjustment Assume Silicone	Off
Averages	1	? Ref. amplitude 1H	0.000 V
Concatenations	1	Adjustment Tolerance	Auto
Filter	Raw filter	Adjust volume	Adio
Coil elements	HEA;HEP	Position	L6.7 A9.2 F27.2
Contrast		Orientation	T > C-17.7 > S-2.1
MTC	Off	Rotation	-0.80 deg
Magn. preparation	None	R >> L	192 mm
Fat suppr.	Fat sat.	A >> P	192 mm
Averaging mode	Long torm	··· F >> H	132 mm
Reconstruction	Long term Magnitude	Dharia	
Delay in TR	0 ms	Physio	Niere
Multiple series	Off	1st Signal/Mode	None
1		Resp. control	Off
Resolution  Base resolution	06	— Diff	
Phase resolution	96 100 %	Diffusion mode	Free
Phase resolution  Phase partial Fourier	7/8	Diff. weightings	3
Interpolation	0ff	b-value 1	0 s/mm²
		b-value 2	1000 s/mm²
PAT mode	GRAPPA	b-value 3	2000 s/mm²
Accel. factor PE	2	Diff. weighted images	On
Ref. lines PE	40	Trace weighted images	Off
Matrix Coil Mode	Auto (Triple)	Average ADC maps	Off
Reference scan mode	Separate	Individual ADC maps	Off
Distortion Corr.	Off	FA maps	Off
Prescan Normalize	Off	Mosaic	On
Raw filter	On	Tensor	Off
Intensity	Weak	Noise level	40
Slope	25	Diff. directions	31
Elliptical filter	Off	Sequence	
Hamming	Off	Introduction	On
1		Bandwidth	1628 Hz/Px
Geometry	luta da ser d	Free echo spacing	Off
Multi-slice mode	Interleaved	1	<b>J.</b>

Echo spacing	0.72 ms
EPI factor	96
RF pulse type	Normal
Gradient mode	Fast*

 $\verb|\USER\CBU\CamCan\CamCAN700_final\CBU\_MTR\_TR30\_MT| \\$ 

TA: 2:36 PAT: 2 Voxel size: 1.6×1.6×1.6 mm Rel. SNR: 1.00 SIEMENS: gre			
-		Distortion Corr.	Off
Properties		Unfiltered images	Off
Prio Recon	Off	Prescan Normalize	On
Before measurement		Normalize	Off
After measurement	On	B1 filter	Off
Load to viewer Inline movie	On Off	Raw filter	Off
	On	Elliptical filter	Off
Auto store images Load to stamp segments	Off	Geometry	
Load images to graphic	Off	Multi-slice mode	Interleaved
segments	Oli	Series	Interleaved
Auto open inline display	Off		
Start measurement without	On	Saturation mode	Standard
further preparation	<b>.</b>	Special sat.	None
Wait for user to start	Off		
Start measurements	single	Tim CT mode	Off
Routine	· ·	System	
Slab group 1		Body	Off
Slabs	1	HEP	On
Dist. factor	0 %	HEA	On
Position	Isocenter	SP4	Off
Orientation	Sagittal	SP2	Off
Phase enc. dir.	A >> P	SP8	Off
Rotation	0.00 deg	SP6	Off
Phase oversampling	0 %	SP3	Off
Slice oversampling	0.0 %	SP1	Off
Slices per slab	104	SP7	Off
FoV read	210 mm	SP5	Off
FoV phase	100.0 %	Positioning mode	FIX
Slice thickness	1.60 mm	Table position	H
TR	30 ms	Table position	0 mm
TE	5.00 ms	MSMA	S - C - T
Averages	1	Sagittal	R >> L
Concatenations	1	Coronal	A >> P
Filter	Prescan Normalize	Transversal	F >> H
Coil elements	HEA;HEP	Save uncombined	Off
Contrast		Coil Combine Mode	Adaptive Combine
MTC	On	——— AutoAlign	'
Magn. preparation	None	Auto Coil Select	Default
Flip angle	12 deg	China mada	T
Fat suppr.	None	Shim mode	Tune up Off
Water suppr.	None	Adjust with body coil Confirm freg. adjustment	Off
SWI	Off	Assume Silicone	Off
	Chart tares	? Ref. amplitude 1H	0.000 V
Averaging mode	Short term	Adjustment Tolerance	Auto
Reconstruction Measurements	Magnitude	Adjust volume	, idio
	Each measurement	Position	Isocenter
Multiple series	Lacii iiieasureiiieiil	Orientation	Transversal
Resolution		Rotation	0.00 deg
Base resolution	128	R >> L	350 mm
Phase resolution	100 %	A >> P	263 mm
Slice resolution	100 %	F >> H	350 mm
Phase partial Fourier	Off	Physic	
Slice partial Fourier	6/8	Physio	None
Interpolation	Off	1st Signal/Mode Segments	None 1
PAT mode	GRAPPA	Segments	I
Accel. factor PE	2	Dark blood	Off
Ref. lines PE	24	Poor control	O#
Accel. factor 3D	1	Resp. control	Off
Matrix Coil Mode	Auto (Triple)	Inline	
Reference scan mode	Integrated	Subtract	Off
Imaga Filter		Liver registration	Off
Image Filter	Off	Std-Dev-Sag	Off

Std-Dev-Cor Std-Dev-Tra Std-Dev-Time MIP-Sag MIP-Cor MIP-Tra MIP-Time	Off Off Off Off Off Off Off Off
Save original images	On
Wash - In Wash - Out TTP PEI MIP - time	Off Off Off Off Off

Sequence	
Introduction	On
Dimension	3D
Elliptical scanning	On
Phase stabilisation	Off
Asymmetric echo	Off
Contrasts	1
Bandwidth	190 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type Gradient mode Excitation RF spoiling	Normal Fast Slab-sel. On

\\USER\CBU\CamCan\CamCAN700_final\CBU_MTR_TR30_baseline			
TA: 2:36	PAT: 2	Voxel size: 1.6×1.6×1.6 mm Rel. SNR: 1.00	SIEMENS: gre
Properties		Distortion Corr.	Off
Prio Recon	Off	Unfiltered images Prescan Normalize	Off On
Before measurement		Normalize	Off
After measurement Load to viewer	On	B1 filter	Off
Inline movie	Off	Raw filter	Off
Auto store images	On	Elliptical filter	Off
Load to stamp segments	Off	Geometry	
Load images to graphic	Off	Multi-slice mode	Interleaved
segments	0"	Series	Interleaved
Auto open inline display	Off	Saturation mode	Standard

SP2

SP8

SP6

SP3

SP1

SP7

SP5

Shim mode

Walt for door to otalt	011	
Start measurements	single	
Routine		
Slab group 1		
Slabs	1	
Dist. factor	0 %	
Position	Isocenter	
Orientation	Sagittal	
Phase enc. dir.	A >> P	
Rotation	0.00 deg	
Phase oversampling	0 %	
Slice oversampling	0.0 %	
Slices per slab	104	
FoV read	210 mm	
FoV phase	100.0 %	
Slice thickness	1.60 mm	
TR	30.0 ms	
TE	5.00 ms	
Averages	1	
Concatenations	1	
Filter	Prescan Normalize	
Coil elements	HEA;HEP	
Contrast		
MTC	Off	

On

Off

Start measurement without

further preparation

Wait for user to start

Contrast	
MTC	Off
Magn. preparation	None
Flip angle	12 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement
Resolution	
Rase resolution	128

Multiple Selles	Lacifileasurement
Resolution	
Base resolution Phase resolution Slice resolution Phase partial Fourier Slice partial Fourier Interpolation	128 100 % 100 % Off 6/8 Off
PAT mode Accel. factor PE Ref. lines PE Accel. factor 3D Matrix Coil Mode Reference scan mode	GRAPPA 2 24 1 Auto (Triple) Integrated
Image Filter	Off

Geometry	
Multi-slice mode Series	Interleaved Interleaved
Saturation mode Special sat.	Standard None
Tim CT mode	Off
System	
Body	Off
HEP	On
HEA	On
SP4	Off

Off

Off

Off

Off

Off

Off

Off

Tune up

Positioning mode	FIX
Table position	Н
Table position	0 mm
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

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	Transversa
Detetion	0.00 404

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
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

oequence	
Introduction	On
Dimension	3D
Elliptical scanning	On
Phase stabilisation	Off
Asymmetric echo	Off
Contrasts	1
Bandwidth	190 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
, ,	

 $\verb|\USER\CBU\CamCan\CamCAN700_final\CBU\_MTR\_TR50\_MT| \\$ 

Voxel size: 1.6x1.6x1.6 mm Rel. SNR: 1.00

TA: 4:19

PAT: 2

SIEMENS: gre

1A. 4.19	VOXELSIZE. 1.0X1	.0x1.011111 Rel. SINK. 1.00 S	ilewens. gre
		Distortion Corr	Off
Properties		Distortion Corr.	Off
Prio Recon	Off	—— Unfiltered images	Off
Before measurement		Prescan Normalize	On
After measurement		Normalize	Off
Load to viewer	On	B1 filter	Off
Inline movie	Off	Raw filter	Off
Auto store images	On	Elliptical filter	Off
Load to stamp segments	Off	Geometry	
Load images to graphic	Off	Multi-slice mode	Interleaved
segments	Oli	Series	Interleaved
Auto open inline display	Off		
Start measurement without	On	Saturation mode	Standard
further preparation	On	Special sat.	None
Wait for user to start	On		
Start measurements	single	Tim CT mode	Off
1	Single	· ·	
Routine		System	Off
Slab group 1	4	Body HEP	On
Slabs	1	HEA	On
Dist. factor	0 %	SP4	Off
Position	Isocenter	SP2	Off
Orientation	Sagittal		
Phase enc. dir.	A >> P	SP8 SP6	Off Off
Rotation	0.00 deg		
Phase oversampling	0 %	SP3	Off
Slice oversampling	0.0 %	SP1	Off
Slices per slab	104	SP7	Off
FoV read	210 mm	SP5	Off
FoV phase	100.0 %	Positioning mode	FIX
Slice thickness	1.60 mm	Table position	H
TR	50 ms	Table position	0 mm
TE	5.00 ms	MSMA	S - C - T
Averages	1	Sagittal	R >> L
Concatenations	1	Coronal	A >> P
Filter	Prescan Normalize	Transversal	F >> H
Coil elements	HEA;HEP	Save uncombined	Off
Contrast		Coil Combine Mode	Adaptive Combine
MTC	On	AutoAlign	
	On	Auto Coil Select	Default
Magn. preparation	None		
Flip angle	12 deg	Shim mode	Tune up
Fat suppr.	None	Adjust with body coil	Off
Water suppr.	None	Confirm freq. adjustment	Off
SWI	Off	Assume Silicone	Off
Averaging mode	Short term	? Ref. amplitude 1H	0.000 V
Reconstruction	Magnitude	Adjustment Tolerance	Auto
Measurements	1	Adjust volume	
Multiple series	Each measurement	Position	Isocenter
•		Orientation	Transversal
Resolution		Rotation	0.00 deg
Base resolution	128	R >> L	350 mm
Phase resolution	100 %	A >> P	263 mm
Slice resolution	100 %	F >> H	350 mm
Phase partial Fourier	Off	ı	
Slice partial Fourier	6/8	Physio 1/Mada	Mara
Interpolation	Off	1st Signal/Mode	None
PAT mode	CDADDA	Segments	1
	GRAPPA	Dark blood	Off
Accel. factor PE	2		<u> </u>
Ref. lines PE	24	Resp. control	Off
Accel. factor 3D	1	Inlino	
Matrix Coil Mode	Auto (Triple)	Inline	Off
Reference scan mode	Integrated	Subtract	Off Off
Image Filter	Off	Liver registration	Off Off
1		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

oequence	
Introduction	On
Dimension	3D
Elliptical scanning	On
Phase stabilisation	Off
Asymmetric echo	Off
Contrasts	1
Bandwidth	190 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
, ,	

	\\USE	R\CBU\C	amCan\CamCAN700_final\	CBU_MTR_TR50	_baseline
-	TA: 4:19	PAT: 2	Voxel size: 1.6×1.6×1.6 mm	Rel. SNR: 1.00	SIEMENS: gre

Properties	0#	Distortion Corr. Unfiltered images	Off Off
Prio Recon Off Before measurement		Prescan Normalize	On
After measurement		Normalize	Off
	On	B1 filter	Off
Load to viewer	On O#	Raw filter	Off
Inline movie	Off	Elliptical filter	Off
Auto store images	On Off	Coometry	
Load to stamp segments	Off	Geometry	late de eve d
Load images to graphic	Off	Multi-slice mode	Interleaved
segments	0#	Series	Interleaved
Auto open inline display	Off	Saturation mode	Standard
Start measurement without	On	Special sat.	None
further preparation	Off		
Wait for user to start		Tim CT mode	Off
Start measurements	single	<b>'</b>	0.11
Routine Slab group 1		System Body	Off
Slabs	1	HEP	On
Dist. factor	0 %	HEA	On
Position	Isocenter	SP4	Off
Orientation	Sagittal	SP2	Off
Phase enc. dir.	A >> P	SP8	Off
Rotation	0.00 deg	SP6	Off
	0.00 deg 0 %	SP3	Off
Phase oversampling Slice oversampling	0.0 %	SP1	Off
Slices per slab	104	SP7	Off
FoV read	210 mm	SP5	Off
FoV read FoV phase	100.0 %		
Slice thickness	1.60 mm	Positioning mode	FIX
		Table position	Н
TR	50.0 ms	Table position	0 mm
TE	5.00 ms	MSMA	S - C - T
Averages	1	Sagittal	R >> L
Concatenations	1 Dunnana Namariina	Coronal	A >> P
Filter	Prescan Normalize	Transversal	F >> H
Coil elements	HEA;HEP	Save uncombined	Off
Contrast		Coil Combine Mode	Adaptive Combine
MTC	Off	AutoAlign	
Magn. preparation	None	Auto Coil Select	Default
Flip angle	12 deg	Shim mode	Tune up
Fat suppr.	None	Adjust with body coil	Off
Water suppr.	None	Confirm freq. adjustment	Off
SWI	Off	Assume Silicone	Off
	01 11	? Ref. amplitude 1H	0.000 V
Averaging mode	Short term	Adjustment Tolerance	Auto
Reconstruction	Magnitude	Adjust volume	Auto
Measurements	Tark man	Position	Isocenter
Multiple series	Each measurement	Orientation	Transversal
Resolution		Rotation	0.00 deg
Base resolution	128	Rotation	350 mm
Phase resolution	100 %	A >> P	263 mm
Slice resolution	100 %	F >> H	350 mm
Phase partial Fourier	Off	1	000 IIIII
Slice partial Fourier	6/8	Physio	
Interpolation	Off	1st Signal/Mode	None
		Segments	1
PAT mode	GRAPPA	Dork blood	Off
Accel. factor PE	2	Dark blood	Off
Ref. lines PE	24	Resp. control	Off
Accel. factor 3D	1	' '	
Matrix Coil Mode	Auto (Triple)	Inline	
Reference scan mode	Integrated	Subtract	Off
Image Filter	Off	Liver registration	Off
I mage i moi	OII	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

1	
Introduction	On
Dimension	3D
Elliptical scanning	On
Phase stabilisation	Off
Asymmetric echo	Off
Contrasts	1
Bandwidth	190 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
I 2529	•