\\USER\RESEARCH\GCO-13-1510-J.Xu\20180511_CSC_GMWM_Challenge\medic_C2-3_3TE1st_0p3x3mm_ TA: 2:47 PAT: 3 Voxel size: 0.3×0.3×3.0 mm Rel. SNR: 1.00 USER: eja_gre_qmt

Properties		Raw filter	Off
Prio Recon	Off	Elliptical filter	Off
Before measurement		Geometry	
After measurement		Multi-slice mode	Interleaved
Load to viewer	On	Series	Interleaved
Inline movie	Off	0.1	Ot and and
Auto store images	On	Saturation mode	Standard
Load to stamp segments	Off	Special sat.	None
Load images to graphic	Off	Table position	Н
segments		Table position	0 mm
Auto open inline display	Off	Inline Composing	Off
Start measurement without	On	I Illine Composing	Oli
further preparation	011	System	
Wait for user to start	Off	C15	On
Start measurements	single	C16	On
Start measurements	Single	C17	Off
Routine		C18	On
Slice group 1		C19	On
Slices	9	C20	Off
Dist. factor	100 %	C21	Off
Position	L1.1 A22.6 F19.7	C22	On
Orientation	T > C3.0 > S-1.6	Ch1	Off
Phase enc. dir.	R>> L	Ch2	On
Rotation	90.00 deg	Ch3	
Phase oversampling	0 %	Ch4	On Off
FoV read	156 mm		
		Ch5	On
FoV phase	59.4 %	Ch6	On
Slice thickness	3.00 mm	Ch7	On
TR	225 ms	Ch8	On
TE 1	3.28 ms	Ch9	On
TE 2	9.23 ms	C10	On
TE 3	15.18 ms	C11	Off
Averages	4	C12	On
Concatenations	1	C13	On
Filter	None	C14	Off
Coil elements	C10,12,13,15,16,18,19,22;Ch2	Desitioning made	FIX
Contrast		Positioning mode	S - C - T
MTC	Off	MSMA Societal	
	None	Sagittal	R >> L
Magn. preparation		Coronal	A >> P
Flip angle	17 deg	Transversal	F >> H
Fat suppr.	None	Save uncombined	Off
Water suppr.	None	Coil Combine Mode	Adaptive Combine
SWI	Off	AutoAlign	
Averaging mode	Short term	Auto Coil Select	Default
Reconstruction	Magnitude	Shim mode	Standard
Measurements	1	Adjust with body coil	Off
Multiple series	Each measurement	Confirm freq. adjustment	Off
•	East measurement	Assume Silicone	Off
Resolution		! Ref. amplitude 1H	250.000 V
Base resolution	512	Adjustment Tolerance	Auto
Phase resolution	100 %	Adjust volume	Auto
Phase partial Fourier	Off	! Position	L2.3 A20.1 F19.5
Interpolation	Off		
DAT mode	CDADDA	! Orientation	Sagittal
PAT mode	GRAPPA	! Rotation	-7.20 deg
Accel. factor PE	3	!F>>H	50 mm
Ref. lines PE	128	! A >> P	20 mm
Reference scan mode	Integrated	! R >> L	20 mm
Image Filter	Off	Physio	
Distortion Corr.	Off	1st Signal/Mode	None
	Off	I Sadmante	7
Prescan Normalize	Off Off	Segments	1
	Off Off Off	Tagging	None

Inline

0.11	0"
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
MapIt	None
Contrasts	3
I	

Sequence		
Introduction	Off	
Dimension	2D	
Phase stabilisation	Off	
Reordering	Linear	
Asymmetric echo	Allowed	
Bandwidth 1	260 Hz/Px	
Bandwidth 2	260 Hz/Px	
Bandwidth 3	260 Hz/Px	
Flow comp. 1	Slice	
Flow comp. 2	No	
Flow comp. 3	No	
Readout mode	Monopolar	
RF pulse type	Fast	
Gradient mode	Fast	
Excitation	Slice-sel.	
RF spoiling	On	
B0/B1 mapping	None	
FFT scale factor	1.00	
Trigger per meas.	Off	
TX/RX Nucleus	1H	
TX/RX delta frequency	0 Hz	
TX Nucleus	None	
TX delta frequency	0 Hz	
• •		

\\USER\RESEARCH\GCO-13-1510-J.Xu\20180511_CSC_GMWM_Challenge\medic_C2-3_3TE2nd_0p3x3mm TA: 2:47 PAT: 3 Voxel size: 0.3×0.3×3.0 mm Rel. SNR: 1.00 USER: eja_gre_qmt

	Raw filter	Off
Off	Elliptical filter	Off
	Geometry	
	Multi-slice mode	Interleaved
On	Series	Interleaved
		Standard
	Special sat.	None
	Table position	 Н
.		0 mm
Off		Off
	Inititle Composing	Oli
311	System	
Off	C15	On
	C16	On
Single	C17	Off
	C18	On
		On
9		Off
		Off
L1.1 A22.6 F19.7		On
		Off
		On
	_	_
		On Off
		Off
		On
17.18 ms	C11	Off
4	C12	On
1	C13	On
None	C14	Off
C10,12,13,15,16,18,19,22;Ch2		
		FIX
	_	S - C - T
		R >> L
		A >> P
	Transversal	F >> H
	Save uncombined	Off
None	Coil Combine Mode	Adaptive Combine
Off	AutoAlign	
Ob and to man	Auto Coil Select	Default
iviagnitude		Standard
1		Off
Each measurement		Off
	Assume Silicone	Off
512	! Ref. amplitude 1H	250.000 V
	Adjustment Tolerance	Auto
	Adjust volume	
	! Position	L2.3 A20.1 F19.5
OII	! Orientation	Sagittal
GRAPPA	! Rotation	-7.20 deg
		50 mm
		20 mm
		20 mm
integrated		20 111111
Off	Physio	
Off	1st Signal/Mode	None
Oli		
Off		1
	Segments Tagging	
	On Off On Off On Off Off Off Off On Off Single 9 100 % L1.1 A22.6 F19.7 T > C3.0 > S-1.6 R >> L 90.00 deg 0 % 156 mm 59.4 % 3.00 mm 225 ms 5.28 ms 11.23 ms 17.18 ms 4 1 None C10,12,13,15,16,18,19,22;Ch2 Off None None Off Short term Magnitude 1 Each measurement 512 100 % Off Off Off GRAPPA 3 128 Integrated	Off Elliptical filter Geometry Multi-slice mode Orf Series Off Saturation mode Special sat. Special sat. Off Table position Off Inline Composing Off C15 Single C16 C17 C18 C19 C20 100 % C21 L1.1 A22.6 F19.7 C22 T > C3.0 > S-1.6 Ch1 R >> L Ch2 90.00 deg Ch3 0 % Ch4 156 mm Ch5 59.4 % Ch6 3.00 mm Ch7 225 ms Ch8 5.28 ms Ch9 11.23 ms C10 17.18 ms C11 4 C12 1 None C14 None C14 None C14 None Auto Coil Select None Auto Coil Select None<

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
MapIt	None
Contrasts	3

Seguence

S	equence	
	Introduction	Off
	Dimension	2D
	Phase stabilisation	Off
	Reordering	Linear
	Asymmetric echo	Allowed
	Bandwidth 1	260 Hz/Px
	Bandwidth 2	260 Hz/Px
	Bandwidth 3	260 Hz/Px
	Flow comp. 1	Slice
	Flow comp. 2	No
	Flow comp. 3	No
	Readout mode	Monopolar
	RF pulse type Gradient mode	Fast Fast
	Excitation	Slice-sel.
	RF spoiling	On
	B0/B1 mapping	None
	FFT scale factor	1.00
	Trigger per meas.	Off
	TX/RX Nucleus	1H
	TX/RX delta frequency	0 Hz
	TX Nucleus	None
	TX delta frequency	0 Hz

\\USER\RESEARCH\GCO-13-1510-J.Xu\20180511_CSC_GMWM_Challenge\medic_C2-3_3TE3rd_0p3x3mm_ TA: 2:47 PAT: 3 Voxel size: 0.3×0.3×3.0 mm Rel. SNR: 1.00 USER: eja_gre_qmt

		Raw filter	Off
Properties		Elliptical filter	Off
Prio Recon	Off		
Before measurement		Geometry	Interior of
After measurement	On	Multi-slice mode Series	Interleaved
Load to viewer Inline movie	On Off	Series	Interleaved
Auto store images	On	Saturation mode	Standard
Load to stamp segments	Off	Special sat.	None
Load images to graphic	Off	Table position	 Н
segments		Table position	0 mm
Auto open inline display	Off	Inline Composing	Off
Start measurement without	On		3 11
further preparation		System	
Wait for user to start	Off	C15	On
Start measurements	single	C16	On Off
Routine		C17 C18	Off On
Slice group 1	_	C19	On
Slices	9	C20	Off
Dist. factor	100 %	C21	Off
Position	L1.1 A22.6 F19.7	C22	On
Orientation	T > C3.0 > S-1.6	Ch1	Off
Phase enc. dir.	R>>L	Ch2	On
Rotation	90.00 deg	Ch3	On
Phase oversampling	0 %	Ch4	Off
FoV read	156 mm	Ch5	On
FoV phase	59.4 %	Ch6	On
Slice thickness	3.00 mm	Ch7	On
TR	225 ms	Ch8	On
TE 1	7.28 ms	Ch9	On
TE 2	13.23 ms	C10	On
TE 3	19.18 ms	C11	Off
Averages	4	C12	On
Concatenations	1 Nana	C13	On O"
Filter Coil elements	None C10,12,13,15,16,18,19,22;Ch2	C14	Off
Con elements	C 10, 12, 13, 13, 10, 18, 19,22, C112	Positioning mode	FIX
Contrast		MSMA	S - C - T
MTC	Off	Sagittal	R >> L
Magn. preparation	None	Coronal	A >> P
Flip angle	17 deg	Transversal	F >> H
Fat suppr.	None	Save uncombined	Off
Water suppr.	None	Coil Combine Mode	Adaptive Combine
SWI	Off	AutoAlign	
Averaging mode	Short term	Auto Coil Select	Default
Reconstruction	Magnitude	Shim mode	Standard
Measurements	1	Adjust with body coil	Off
Multiple series	Each measurement	Confirm freq. adjustment	Off
Resolution		Assume Silicone	Off
Base resolution	512	! Ref. amplitude 1H	250.000 V
Phase resolution	100 %	Adjustment Tolerance	Auto
Phase partial Fourier	Off	Adjust volume	100 400 4 540 5
Interpolation	Off	! Position	L2.3 A20.1 F19.5
DAT mode	CDADDA	! Orientation	Sagittal
PAT mode Accel. factor PE	GRAPPA 3	! Rotation ! F >> H	-7.20 deg 50 mm
Ref. lines PE	128	! F >> F ! A >> P	20 mm
Reference scan mode	Integrated	!R>>L	20 mm
		I	20 111111
Image Filter	Off	Physio	
Distortion Corr.	Off	1st Signal/Mode	None
Prescan Normalize	Off	Segments	1
Normalize	Off	Tagging	None
B1 filter	Off	Dark blood	Off
	,	D5/±	

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
MapIt	None
Contrasts	3

Sequence		
Introduction	Off	
Dimension	2D	
Phase stabilisation	Off	
Reordering	Linear	
Asymmetric echo	Allowed	
Bandwidth 1	260 Hz/Px	
Bandwidth 2	260 Hz/Px	
Bandwidth 3	260 Hz/Px	
Flow comp. 1	Slice	
Flow comp. 2	No	
Flow comp. 3	No	
Readout mode	Monopolar	
RF pulse type	Fast	
Gradient mode	Fast	
Excitation	Slice-sel.	
RF spoiling	On	
PO/P1 manning	None	
B0/B1 mapping FFT scale factor	1.00	
Trigger per meas.	Off	
TX/RX Nucleus	1H	
TX/RX delta frequency	0 Hz	
TX Nucleus	None	
TX delta frequency	0 Hz	

\\USER\RESEARCH\GCO-13-1510-J.Xu\20180511_CSC_GMWM_Challenge\medic_C2-3_3TE1st_0p3x3mm_ TA: 2:47 PAT: 3 Voxel size: 0.3×0.3×3.0 mm Rel. SNR: 1.00 USER: eja_gre_qmt

		Raw filter	Off
Properties		Elliptical filter	Off
Prio Recon	Off		
Before measurement		Geometry Multipolice mode	Interlooved
After measurement Load to viewer	On	Multi-slice mode Series	Interleaved
Inline movie	On Off	Selles	Interleaved
Auto store images	On	Saturation mode	Standard
Load to stamp segments	Off	Special sat.	None
Load images to graphic	Off	Table position	Н
segments		Table position	0 mm
Auto open inline display	Off	Inline Composing	Off
Start measurement without	On		011
further preparation		System	
Wait for user to start	Off	C15	On
Start measurements	single	C16	On Off
Routine		C17 C18	Off On
Slice group 1		C19	On
Slices	9	C20	Off
Dist. factor	100 %	C21	Off
Position	L1.1 A22.6 F19.7	C22	On
Orientation	T > C3.0 > S-1.6	Ch1	Off
Phase enc. dir.	R>>L	Ch2	On
Rotation	90.00 deg	Ch3	On
Phase oversampling	0 %	Ch4	Off
FoV read	156 mm	Ch5	On
FoV phase	59.4 %	Ch6	On
Slice thickness	3.00 mm	Ch7	On
TR	225 ms	Ch8	On
TE 1	3.28 ms	Ch9	On
TE 2	9.23 ms	C10	On
TE 3	15.18 ms	C11	Off
Averages	4	C12	On
Concatenations	1 Nana	C13	On O"
Filter Coil elements	None	C14	Off
1	C10,12,13,15,16,18,19,22;Ch2	Positioning mode	FIX
Contrast		MSMA	S - C - T
MTC	Off	Sagittal	R >> L
Magn. preparation	None	Coronal	A >> P
Flip angle	17 deg	Transversal	F >> H
Fat suppr.	None	Save uncombined	Off
Water suppr.	None	Coil Combine Mode	Adaptive Combine
SWI	Off	AutoAlign	D-f#
Averaging mode	Short term	Auto Coil Select	Default
Reconstruction	Magnitude	Shim mode	Standard
Measurements	1	Adjust with body coil	Off
Multiple series	Each measurement	Confirm freq. adjustment	Off
Resolution		Assume Silicone	Off
Base resolution	512	! Ref. amplitude 1H	250.000 V
Phase resolution	100 %	Adjustment Tolerance	Auto
Phase partial Fourier	Off	Adjust volume	100 400 4 540 5
Interpolation	Off	! Position ! Orientation	L2.3 A20.1 F19.5
PAT mode	GRAPPA	! Orientation ! Rotation	Sagittal
Accel. factor PE	3	! F >> H	-7.20 deg 50 mm
Ref. lines PE	128	! A >> P	20 mm
Reference scan mode	Integrated	!R>>L	20 mm
		I	20 111111
Image Filter	Off	Physio	
Distortion Corr.	Off	1st Signal/Mode	None
Prescan Normalize	Off	Segments	1
Normalize	Off	Tagging	None
B1 filter	Off	Dark blood	Off
	,	 	

Inline

0.11	0"
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
MapIt	None
Contrasts	3
I	

Sequence			
Introduction	Off		
Dimension	2D		
Phase stabilisation	Off		
Reordering	Linear		
Asymmetric echo	Allowed		
Bandwidth 1	260 Hz/Px		
Bandwidth 2	260 Hz/Px		
Bandwidth 3	260 Hz/Px		
Flow comp. 1	Slice		
Flow comp. 2	No		
Flow comp. 3	No		
Readout mode	Monopolar		
RF pulse type	Fast		
Gradient mode	Fast		
Excitation	Slice-sel.		
RF spoiling	On		
B0/B1 mapping	None		
FFT scale factor	1.00		
Trigger per meas.	Off		
	411		
TX/RX Nucleus	1H		
TX/RX delta frequency	0 Hz		
TX Nucleus	None		
TX delta frequency	0 Hz		

\\USER\RESEARCH\GCO-13-1510-J.Xu\20180511_CSC_GMWM_Challenge\medic_C2-3_3TE2nd_0p3x3mm TA: 2:47 PAT: 3 Voxel size: 0.3×0.3×3.0 mm Rel. SNR: 1.00 USER: eja_gre_qmt

		Raw filter	Off
Properties		Elliptical filter	Off
Prio Recon	Off		
Before measurement		Geometry Multipolice mode	Interlegued
After measurement Load to viewer	On	Multi-slice mode Series	Interleaved
Inline movie	Off	3enes	Interleaved
Auto store images	On	Saturation mode	Standard
Load to stamp segments	Off	Special sat.	None
Load images to graphic	Off	Table position	Н
segments		Table position	0 mm
Auto open inline display	Off	Inline Composing	Off
Start measurement without	On		3
further preparation		System	
Wait for user to start	Off	C15	On
Start measurements	single	C16	On O#
Routine		C17 C18	Off On
Slice group 1		C19	On
Slices	9	C20	Off
Dist. factor	100 %	C21	Off
Position	L1.1 A22.6 F19.7	C22	On
Orientation	T > C3.0 > S-1.6	Ch1	Off
Phase enc. dir.	R >> L	Ch2	On
Rotation	90.00 deg	Ch3	On
Phase oversampling	0 %	Ch4	Off
FoV read	156 mm	Ch5	On
FoV phase	59.4 %	Ch6	On
Slice thickness	3.00 mm	Ch7	On
TR	225 ms	Ch8	On
TE 1	5.28 ms	Ch9	On
TE 2 TE 3	11.23 ms 17.18 ms	C10	On O"
		C11	Off
Averages Concatenations	4 1	C12 C13	On On
Filter	None	C14	Off
Coil elements	C10,12,13,15,16,18,19,22;Ch2		
ı	, , , , , , , , ,	Positioning mode	FIX
Contrast	0#	MSMA	S-C-T
MTC	Off	Sagittal	R >> L
Magn. preparation	None	Coronal	A >> P
Flip angle	17 deg None	Transversal	F >> H
Fat suppr. Water suppr.	None	Save uncombined	Off
SWI	Off	Coil Combine Mode	Adaptive Combine
		AutoAlign Auto Coil Select	 Default
Averaging mode	Short term		
Reconstruction	Magnitude	Shim mode	Standard
Measurements	1	Adjust with body coil	Off
Multiple series	Each measurement	Confirm freq. adjustment	Off
Resolution		Assume Silicone	Off
Base resolution	512	! Ref. amplitude 1H	250.000 V
Phase resolution	100 %	Adjustment Tolerance Adjust volume	Auto
Phase partial Fourier	Off	! Position	L2.3 A20.1 F19.5
Interpolation	Off	! Orientation	Sagittal
PAT mode	GRAPPA	! Rotation	-7.20 deg
Accel. factor PE	3	!F>> H	50 mm
Ref. lines PE	128	! A >> P	20 mm
Reference scan mode	Integrated	! R >> L	20 mm
Imaga Eilter		I	
Image Filter Distortion Corr.	Off Off	Physio 1st Signal/Mode	None
Prescan Normalize	Off	Segments	None 1
Normalize	Off		·
B1 filter	Off	Tagging	None
1		Dark blood	Off
	•	DQ/±	

Inline

0.1.1	0"
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
MapIt	None
Contrasts	3
į.	

Sequence

S	equence	
	Introduction	Off
	Dimension	2D
	Phase stabilisation	Off
	Reordering	Linear
	Asymmetric echo	Allowed
	Bandwidth 1	260 Hz/Px
	Bandwidth 2	260 Hz/Px
	Bandwidth 3	260 Hz/Px
	Flow comp. 1	Slice
	Flow comp. 2	No
	Flow comp. 3	No
	Readout mode	Monopolar
	RF pulse type	Fast
	Gradient mode	Fast
	Excitation	Slice-sel.
	RF spoiling	On
	B0/B1 mapping	None
	FFT scale factor	1.00
	Trigger per meas.	Off
	TX/RX Nucleus	1H
	TX/RX delta frequency	0 Hz
	TX Nucleus	None
	TX delta frequency	0 Hz
	17. dolla liequelloy	O I IZ

\\USER\RESEARCH\GCO-13-1510-J.Xu\20180511_CSC_GMWM_Challenge\medic_C2-3_3TE3rd_0p3x3mm_ TA: 2:47 PAT: 3 Voxel size: 0.3×0.3×3.0 mm Rel. SNR: 1.00 USER: eja_gre_qmt

Properties		Raw filter	Off
Prio Recon	Off	Elliptical filter	Off
Before measurement	Oii	Geometry	
After measurement		Multi-slice mode	Interleaved
Load to viewer	On	Series	Interleaved
Inline movie	Off		······
	On	Saturation mode	Standard
Auto store images	Off	Special sat.	None
Load to stamp segments	Off	Table position	
Load images to graphic	Oli	Table position	Н
segments	O#	Table position	0 mm
Auto open inline display Start measurement without	Off	Inline Composing	Off
	On	System	
further preparation	Off	C15	On
Wait for user to start		C16	On
Start measurements	single	C17	Off
Routine		C18	On
Slice group 1		C19	On
Slices	9	C20	Off
Dist. factor	100 %	C21	Off
Position	L1.1 A22.6 F19.7	C22	On
Orientation	T > C3.0 > S-1.6	Ch1	Off
Phase enc. dir.	R>>L	Ch2	On
Rotation	90.00 deg	Ch3	On
Phase oversampling	0 %	Ch4	Off
FoV read	156 mm	Ch5	On
FoV phase	59.4 %	Ch6	On
Slice thickness	3.00 mm	Ch7	On
TR	225 ms	Ch8	On
TE 1	7.28 ms	Ch9	On
TE 2	13.23 ms	C10	On
TE 3	19.18 ms	C11	Off
Averages	4	C12	On
Concatenations	1	C13	On
Filter	None	C14	Off
Coil elements	C10,12,13,15,16,18,19,22;Ch2		
1	010,12,10,10,10,10,10,22,012	Positioning mode	FIX
Contrast		MSMA	S - C - T
MTC	Off	Sagittal	R >> L
Magn. preparation	None	Coronal	A >> P
Flip angle	17 deg	Transversal	F >> H
Fat suppr.	None	Save uncombined	Off
Water suppr.	None	Coil Combine Mode	Adaptive Combine
SWI	Off	AutoAlign	
Averaging mode	Short term	Auto Coil Select	Default
Reconstruction	Magnitude	Shim mode	Standard
Measurements	1	Shim mode Adjust with body coil	Standard Off
Multiple series	Each measurement		
•	Lacii ilicasulcilicili	Confirm freq. adjustment	Off Off
Resolution		Assume Silicone	
Base resolution	512	! Ref. amplitude 1H	250.000 V
Phase resolution	100 %	Adjustment Tolerance	Auto
Phase partial Fourier	Off	Adjust volume	102 400 4 540 5
Interpolation	Off	! Position	L2.3 A20.1 F19.5
DAT mode	CDADDA	! Orientation	Sagittal
PAT mode	GRAPPA	! Rotation	-7.20 deg
Accel. factor PE	3	!F>>H	50 mm
Ref. lines PE	128	! A >> P	20 mm
Reference scan mode	Integrated	! R >> L	20 mm
Image Filter	Off	Physio	
Distortion Corr.	Off	1st Signal/Mode	None
Prescan Normalize	Off	Segments	1
Normalize	Off		
B1 filter	Off	Tagging	None
ı		Dark blood	Off

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
Maplt	None
Contrasts	3

Sequence		
Introduction	Off	
Dimension	2D	
Phase stabilisation	Off	
Reordering	Linear	
Asymmetric echo	Allowed	
Bandwidth 1	260 Hz/Px	
Bandwidth 2	260 Hz/Px	
Bandwidth 3	260 Hz/Px	
Flow comp. 1	Slice	
Flow comp. 2	No	
Flow comp. 3	No	
Readout mode	Monopolar	
RF pulse type	Fast	
Gradient mode	Fast	
Excitation	Slice-sel.	
RF spoiling	On	
B0/B1 mapping	None	
FFT scale factor	1.00	
_ :	Off	
Trigger per meas.	OII	
TX/RX Nucleus	1H	
TX/RX delta frequency	0 Hz	
TX Nucleus	None	
TX delta frequency	0 Hz	