## SIEMENS MAGNETOM Investigational\_Device\_7T syngo MR B17

\\USER\RenzoHuber\Lonike\BOLD\_only\cmrr\_mbep2d\_bold\_pt8LFOV\_G3\_MB2\_AP\_run1 TA: 21:16 PAT: 3 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: cmrr\_mbep2d\_bold

Properties		Special sat.	None
Properties Prio Recon	Off	Table position	H
Before measurement	On	Table position	П 0 mm
After measurement		Inline Composing	Off
Load to viewer	On		OII
Inline movie	Off	System	
Auto store images	On	V32	Off
Load to stamp segments	Off	A32	On
Load images to graphic	Off	Positioning mode	REF
segments		MSMA	S-C-T
Auto open inline display	Off	Sagittal	R >> L
Start measurement without	On	Coronal	A >> P
further preparation		Transversal	F >> H
Wait for user to start	Off	Coil Combine Mode	Sum of Squares
Start measurements	single	AutoAlign	Head > Brain
Routine		Auto Coil Select	Default
Slice group 1		Shim mode	Standard
Slices	47	Adjust with body coil	Off
Dist. factor	0 %	Confirm freq. adjustment	Off
Position	R0.4 P5.1 H3.8	Assume Silicone	Off
Orientation	T > C3.3 > S-2.1	? Ref. amplitude 1H	0.000 V
Phase enc. dir.	A >> P	Adjustment Tolerance	Auto
Rotation	-3.00 deg	Adjust volume	
Phase oversampling	0 %	! Position	L4.0 P4.7 H19.3
FoV read	170 mm	! Orientation	T > C2.5
FoV phase	100.0 %	! Rotation	-0.00 deg
Slice thickness	0.80 mm	! R >> L	135 mm
TR	4200 ms	! A >> P	161 mm
TE	25.8 ms	! F >> H	88 mm
Multi-band accel. factor	1	Physio	
Filter	None	1st Signal/Mode	None
Contract	A32	BOLD	110110
Contrast			
	0#		Off
MTC	Off	GLM Statistics	Off Off
MTC Magn. preparation	None	GLM Statistics Dynamic t-maps	Off
MTC Magn. preparation Flip angle	None 79 deg	GLM Statistics Dynamic t-maps Starting ignore meas	Off 0
MTC Magn. preparation	None	GLM Statistics Dynamic t-maps	Off
MTC Magn. preparation Flip angle Fat suppr. Averaging mode	None 79 deg	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states	Off 0 0
MTC Magn. preparation Flip angle Fat suppr.	None 79 deg Fat sat.	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter	Off 0 0 On
MTC Magn. preparation Flip angle Fat suppr. Averaging mode	None 79 deg Fat sat.  Long term Magn./Phase 300	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold	Off 0 0 On On
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter	Off 0 0 On On 4.00
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements	None 79 deg Fat sat.  Long term Magn./Phase 300	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size	Off 0 0 On On 4.00 20
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1]	Off 0 0 On On 4.00 20 Baseline
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2]	Off 0 0 On On 4.00 20 Baseline Baseline
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5]	Off 0 0 0 On On 4.00 20 Baseline Baseline Baseline Baseline Baseline Baseline Baseline
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase resolution	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6]	Off 0 0 0 On On 4.00 20 Baseline Baseline Baseline Baseline Baseline Baseline Baseline Baseline
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase partial Fourier	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7]	Off 0 0 0 On On 4.00 20 Baseline
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase partial Fourier Interpolation	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8]	Off 0 0 0 On On 4.00 20 Baseline
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase partial Fourier Interpolation  PAT mode	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off GRAPPA	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9]	Off 0 0 0 On On 4.00 20 Baseline
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[7] Meas[8] Meas[9] Meas[10]	Off 0 0 0 On On 4.00 20 Baseline
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE Ref. lines PE	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3 75	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11]	Off 0 0 0 On On 4.00 20 Baseline
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[11]	Off 0 0 0 On On 4.00 20 Baseline Active Active
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE Ref. lines PE	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3 75	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[11] Meas[12] Meas[12]	Off 0 0 0 On On 4.00 20 Baseline Active Active Active
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE Ref. lines PE Reference scan mode	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3 75 FLEET	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[11] Meas[12] Meas[13] Meas[13]	Off 0 0 0 On On A.00 20 Baseline Active Active Active Active
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE Ref. lines PE Reference scan mode  Distortion Corr.	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3 75 FLEET Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[11] Meas[12] Meas[12] Meas[13] Meas[14] Meas[14]	Off 0 0 0 On On A.00 20 Baseline Active Active Active Active Active
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE Ref. lines PE Reference scan mode  Distortion Corr. Prescan Normalize	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3 75 FLEET  Off Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[11] Meas[12] Meas[12] Meas[13] Meas[14] Meas[15] Meas[15]	Off 0 0 0 On On A.00 20 Baseline Active Active Active Active Active Active
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE Ref. lines PE Reference scan mode  Distortion Corr. Prescan Normalize Raw filter	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3 75 FLEET  Off Off On	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[10] Meas[11] Meas[12] Meas[12] Meas[13] Meas[14] Meas[15] Meas[15] Meas[16] Meas[17]	Off 0 0 0 On On A.00 20 Baseline Active Active Active Active Active Active Active Active
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE Ref. lines PE Reference scan mode  Distortion Corr. Prescan Normalize Raw filter Elliptical filter Hamming	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3 75 FLEET  Off Off Off On Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[10] Meas[11] Meas[12] Meas[12] Meas[13] Meas[14] Meas[15] Meas[15] Meas[16] Meas[17] Meas[17]	Off 0 0 0 On On A.00 20 Baseline Baseline Baseline Baseline Baseline Baseline Baseline Baseline Baseline Active
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE Ref. lines PE Reference scan mode  Distortion Corr. Prescan Normalize Raw filter Elliptical filter Hamming  Geometry	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3 75 FLEET  Off Off Off On Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[11] Meas[11] Meas[12] Meas[14] Meas[15] Meas[15] Meas[16] Meas[17] Meas[17] Meas[18] Meas[18] Meas[18]	Off 0 0 0 On On 4.00 20 Baseline Active
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE Ref. lines PE Reference scan mode  Distortion Corr. Prescan Normalize Raw filter Elliptical filter Hamming  Geometry Multi-slice mode	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3 75 FLEET  Off Off Off On Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[11] Meas[12] Meas[14] Meas[15] Meas[15] Meas[15] Meas[16] Meas[17] Meas[17] Meas[18] Meas[19] Meas[19] Meas[19]	Off 0 0 0 On On A.00 20 Baseline Active
MTC Magn. preparation Flip angle Fat suppr.  Averaging mode Reconstruction Measurements Delay in TR Multiple series  Resolution Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Accel. factor PE Ref. lines PE Reference scan mode  Distortion Corr. Prescan Normalize Raw filter Elliptical filter Hamming  Geometry	None 79 deg Fat sat.  Long term Magn./Phase 300 700 ms Off  212 100 % 6/8 Off  GRAPPA 3 75 FLEET  Off Off Off On Off	GLM Statistics Dynamic t-maps Starting ignore meas Ignore after transition Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[11] Meas[11] Meas[12] Meas[14] Meas[15] Meas[15] Meas[16] Meas[17] Meas[17] Meas[18] Meas[18] Meas[18]	Off 0 0 0 On On 4.00 20 Baseline Active

## SIEMENS MAGNETOM Investigational\_Device\_7T syngo MR B17

## Sequence

Introduction	On
Contrasts	1
Bandwidth	1124 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	1 ms
EPI factor	212
Gradient mode	Fast
RF spoiling	Off
Excite pulse duration	3640 us
FLEET ref. prep. scans	0
FLEET ref. min. TR	0 ms
Slice multiplier	1
EPI noise scans	1
SENSE1 coil combine	Off
Invert RO/PE polarity	Off
Force Maxwell corr.	Off
PF omits higher k-space	Off
Force equal slice timing	Off
FFT scale factor	1.00
FLEET iPAT ref. FA	12.0 deg
Physio recording	Legacy
Triggering scheme	Standard