SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\UserProtocols\Renzo\V1_template\Quin_pilot_250_V1

TA: 1:05

PAT: Off

Voxel size: 1.0×1.0×5.0 mm Rel. SNR: 1.00

SIEMENS: tfl

		Internolation	Off
Properties		Interpolation	OII
Prio Recon	Off	PAT mode	None
Before measurement		Image Filter	Off
After measurement		Distortion Corr.	Off
Load to viewer	On	Prescan Normalize	Off
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	Off
segments	0"		.
Auto open inline display	Off Off	Geometry	
Start measurement without	Off	Multi-slice mode	Sequential
further preparation	Off	Series	Ascending
Wait for user to start Start measurements			
Start measurements	single	Table position	Н
Routine		Table position	0 mm
Slice group 1		Inline Composing	Off
Slices	9	System	
Dist. factor	80 %	V32	Off
Position	R4.0 A16.1 F1.1	A32	On
Orientation	Sagittal		
Phase enc. dir.	A >> P	Positioning mode	REF
Rotation	0.00 deg	MSMA	S - C - T
Slice group 2		Sagittal	R >> L
Slices	5	Coronal	A >> P
Dist. factor	80 %	Transversal	F >> H
Position	L0.0 A16.7 H16.4	Save uncombined	Off
Orientation	Transversal	Coil Combine Mode	Adaptive Combine
Phase enc. dir.	A >> P	AutoAlign	 D ()
Rotation	0.00 deg	Auto Coil Select	Default
Slice group 3	_	Shim mode	Tune up
Slices	7	Adjust with body coil	Off
			- · ·
Dist. factor	80 %		Off
Position	L0.0 P29.8 F0.6	Confirm freq. adjustment	Off Off
Position Orientation	L0.0 P29.8 F0.6 Coronal	Confirm freq. adjustment Assume Silicone	
Position Orientation Phase enc. dir.	L0.0 P29.8 F0.6 Coronal R >> L	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H	Off
Position Orientation Phase enc. dir. Rotation	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg	Confirm freq. adjustment Assume Silicone	Off 220.000 V
Position Orientation Phase enc. dir. Rotation Phase oversampling	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 %	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance	Off 220.000 V
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume	Off 220.000 V Auto
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 %	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position	Off 220.000 V Auto Isocenter
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation	Off 220.000 V Auto Isocenter Transversal
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation	Off 220.000 V Auto Isocenter Transversal 0.00 deg
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle Fat suppr.	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg None	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag Std-Dev-Cor	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off Off Off
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag Std-Dev-Cor Std-Dev-Tra	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off Off Off Off Off
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle Fat suppr.	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg None	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag Std-Dev-Cor Std-Dev-Tra Std-Dev-Time	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off Off Off Off Off Off
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle Fat suppr. Water suppr.	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg None None	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag Std-Dev-Cor Std-Dev-Tra Std-Dev-Time MIP-Sag	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off Off Off Off Off Off Off O
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle Fat suppr. Water suppr. Averaging mode	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg None None Long term	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag Std-Dev-Cor Std-Dev-Tra Std-Dev-Time MIP-Sag MIP-Cor	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off Off Off Off Off Off Off O
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle Fat suppr. Water suppr. Averaging mode Reconstruction Measurements	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg None None Long term	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag Std-Dev-Cor Std-Dev-Tra Std-Dev-Time MIP-Sag MIP-Cor MIP-Tra	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off Off Off Off Off Off Off O
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle Fat suppr. Water suppr. Averaging mode Reconstruction Measurements Multiple series	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg None None Long term Magnitude 1	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag Std-Dev-Cor Std-Dev-Tra Std-Dev-Time MIP-Sag MIP-Cor MIP-Tra MIP-Time	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off Off Off Off Off Off Off O
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle Fat suppr. Water suppr. Averaging mode Reconstruction Measurements Multiple series Resolution	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg None None Long term Magnitude 1 Each measurement	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag Std-Dev-Cor Std-Dev-Tra Std-Dev-Time MIP-Sag MIP-Cor MIP-Tra	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off Off Off Off Off Off Off O
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle Fat suppr. Water suppr. Water suppr. Averaging mode Reconstruction Measurements Multiple series Resolution Base resolution	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg None None Long term Magnitude 1 Each measurement	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag Std-Dev-Cor Std-Dev-Tra Std-Dev-Time MIP-Sag MIP-Cor MIP-Tra MIP-Time Save original images	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off Off Off Off Off Off Off O
Position Orientation Phase enc. dir. Rotation Phase oversampling FoV read FoV phase Slice thickness TR TE Averages Concatenations Filter Coil elements Contrast TD Magn. preparation TI Flip angle Fat suppr. Water suppr. Averaging mode Reconstruction Measurements Multiple series Resolution	L0.0 P29.8 F0.6 Coronal R >> L 0.00 deg 0 % 200 mm 100.0 % 5.0 mm 3000 ms 3.17 ms 1 21 None A32 0 ms Slice-sel. IR 1100 ms 6 deg None None Long term Magnitude 1 Each measurement	Confirm freq. adjustment Assume Silicone ! Ref. amplitude 1H Adjustment Tolerance Adjust volume Position Orientation Rotation R >> L A >> P F >> H Physio 1st Signal/Mode Dark blood Resp. control Inline Subtract Std-Dev-Sag Std-Dev-Cor Std-Dev-Tra Std-Dev-Time MIP-Sag MIP-Cor MIP-Tra MIP-Time	Off 220.000 V Auto Isocenter Transversal 0.00 deg 350 mm 263 mm 350 mm None Off Off Off Off Off Off Off Off Off O

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Introduction Dimension Asymmetric echo Bandwidth Flow comp. Echo spacing	On 2D Off 240 Hz/Px No 6.4 ms
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On