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\\Free.Max_Demo

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\\Free.Max_Demo\whole body\WB\5th Scan - XB10\Head_localizer *

TA: 20 sec Coil Selection: Auto Voxel Size: 1.0×1.0×8.0 mm³ Acc:: 3 Rel. SNR: 1.00

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	On
	All Segments
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	5
Distance Factor	150 %
Position	L0.0 A18.3 H107.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slice Group	2
Slices	7
Distance Factor	250 %
Position	L0.0 A18.3 H57.1 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	None
Slice Group	3
Slices	11
Distance Factor	0 %
Position	L0.0 A18.3 H57.1 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	30 %
FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	11.0 ms
TE	6.47 ms
Averages	1
Concatenations	23

Contrast - Common

TR	11.0 ms
TE	6.47 ms

Contrast - Common

TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle	30 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
Base Resolution	224
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	24
Deep Resolve / ID Gain	On
Phase Partial Fourier	7/8
Asymmetric Echo	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	5
Distance Factor	150 %
Position	L0.0 A18.3 H107.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	7
Distance Factor	250 %
Position	L0.0 A18.3 H57.1 mm

Geometry - Common

Orientation	Coronal
Phase Encoding Dir.	R >> L
Slice Group	3
Slices	11
Distance Factor	0 %
Position	L0.0 A18.3 H57.1 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Phase Oversampling	30 %
FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	11.0 ms
Multi-Slice Mode	Sequential
Series	Ascending
Concatenations	23

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A18.3 H107.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	L0.0 A18.3 H107.1
L	0.0 mm
A	18.3 mm
H	107.1 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
Slice Group	2
Position	L0.0 A18.3 H57.1 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
Slice Group	3
Position	L0.0 A18.3 H57.1 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Mode	Standard

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Label	
Table Position	57 mm
Table Position	H
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Spine
Series Description	
Composing Group	1
Last Step	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	11.0 ms
Segments	1
Concatenations	23

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	450 mm
FOV Phase	100.0 %
Phase Resolution	70 %

Physio - PACE

Resp. Control	Off
Concatenations	23

Inline - Liver

Liver Registration	Off
Save Original Images	On

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Spine
Composing Group	1
Last Step	Off
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Fast
Gradient Mode	Boost
Flow Compensation	None
Bandwidth	230 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On

Sequence - Assistant

SAR Assistant	Off
Boost Assistant	Off

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\thorax_localizer *

TA: 20 sec Coil Selection: Auto Voxel Size: 1.0×1.0×8.0 mm³ Acc:: 3 Rel. SNR: 1.00

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	On
	All Segments
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	5
Distance Factor	150 %
Position	L0.0 A2.2 F14.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slice Group	2
Slices	7
Distance Factor	250 %
Position	L0.0 A2.2 F64.6 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	None
Slice Group	3
Slices	11
Distance Factor	0 %
Position	L0.0 A2.2 F64.6 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	30 %
FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	11.0 ms
TE	6.47 ms
Averages	1
Concatenations	23

Contrast - Common

TR	11.0 ms
TE	6.47 ms

Contrast - Common

TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle	30 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
Base Resolution	224
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	24
Deep Resolve / ID Gain	On
Phase Partial Fourier	7/8
Asymmetric Echo	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	5
Distance Factor	150 %
Position	L0.0 A2.2 F14.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	7
Distance Factor	250 %
Position	L0.0 A2.2 F64.6 mm

Geometry - Common

Orientation	Coronal
Phase Encoding Dir.	R >> L
Slice Group	3
Slices	11
Distance Factor	0 %
Position	L0.0 A2.2 F64.6 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Phase Oversampling	30 %
FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	11.0 ms
Multi-Slice Mode	Sequential
Series	Ascending
Concatenations	23

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A2.2 F14.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	L0.0 A2.2 F14.6
L	0.0 mm
A	2.2 mm
F	14.6 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
Slice Group	2
Position	L0.0 A2.2 F64.6 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
Slice Group	3
Position	L0.0 A2.2 F64.6 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Mode	Standard

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Label	
Table Position	65 mm
Table Position	F
Inline Composing	On
Normalize	Medium
Save non-normalized	On
Composing Function	Spine
Series Description	
Composing Group	1
Last Step	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	11.0 ms
Segments	1
Concatenations	23

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	450 mm
FOV Phase	100.0 %
Phase Resolution	70 %

Physio - PACE

Resp. Control	Off
Concatenations	23

Inline - Liver

Liver Registration	Off
Save Original Images	On

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	On
Composing Function	Spine
Composing Group	1
Last Step	Off
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Fast
Gradient Mode	Boost
Flow Compensation	None
Bandwidth	230 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On

Sequence - Assistant

SAR Assistant	Off
Boost Assistant	Off

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\abdomen_localizer *

TA: 20 sec Coil Selection: Auto Voxel Size: 1.0×1.0×8.0 mm³ Acc:: 3 Rel. SNR: 1.00

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	On
	All Segments
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	5
Distance Factor	150 %
Position	L0.0 P0.0 F300.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slice Group	2
Slices	7
Distance Factor	250 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	None
Slice Group	3
Slices	11
Distance Factor	0 %
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	30 %
FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	11.0 ms
TE	6.47 ms
Averages	1
Concatenations	23

Contrast - Common

TR	11.0 ms
TE	6.47 ms

Contrast - Common

TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle	30 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
Base Resolution	224
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	24
Deep Resolve / ID Gain	On
Phase Partial Fourier	7/8
Asymmetric Echo	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	5
Distance Factor	150 %
Position	L0.0 P0.0 F300.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	7
Distance Factor	250 %
Position	Isocenter

Geometry - Common

Orientation	Coronal
Phase Encoding Dir.	R >> L
Slice Group	3
Slices	11
Distance Factor	0 %
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Phase Oversampling	30 %
FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	11.0 ms
Multi-Slice Mode	Sequential
Series	Ascending
Concatenations	23

Geometry - AutoAlign

Slice Group	1
Position	L0.0 P0.0 F300.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	L0.0 P0.0 F300.0
L	0.0 mm
P	0.0 mm
F	300.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
Slice Group	2
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
Slice Group	3
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Mode	Standard

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Label	
Table Position	350 mm
Table Position	F
Inline Composing	On
Normalize	Medium
Save non-normalized	On
Composing Function	Spine
Series Description	
Composing Group	1
Last Step	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	11.0 ms
Segments	1
Concatenations	23

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	450 mm
FOV Phase	100.0 %
Phase Resolution	70 %

Physio - PACE

Resp. Control	Off
Concatenations	23

Inline - Liver

Liver Registration	Off
Save Original Images	On

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	On
Composing Function	Spine
Composing Group	1
Last Step	Off
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Fast
Gradient Mode	Boost
Flow Compensation	None
Bandwidth	230 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On

Sequence - Assistant

SAR Assistant	Off
Boost Assistant	Off

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\pelvis_femurs_localizer *

TA: 20 sec Coil Selection: Auto Voxel Size: 1.0×1.0×8.0 mm³ Acc:: 3 Rel. SNR: 1.00

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	On
	All Segments
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	5
Distance Factor	150 %
Position	L0.0 P0.0 F650.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slice Group	2
Slices	7
Distance Factor	250 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	None
Slice Group	3
Slices	11
Distance Factor	0 %
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	30 %
FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	11.0 ms
TE	6.47 ms
Averages	1
Concatenations	23

Contrast - Common

TR	11.0 ms
TE	6.47 ms

Contrast - Common

TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle	30 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
Base Resolution	224
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	24
Deep Resolve / ID Gain	On
Phase Partial Fourier	7/8
Asymmetric Echo	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	5
Distance Factor	150 %
Position	L0.0 P0.0 F650.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	7
Distance Factor	250 %
Position	Isocenter

Geometry - Common

Orientation	Coronal
Phase Encoding Dir.	R >> L
Slice Group	3
Slices	11
Distance Factor	0 %
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Phase Oversampling	30 %
FOV Read	450 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	11.0 ms
Multi-Slice Mode	Sequential
Series	Ascending
Concatenations	23

Geometry - AutoAlign

Slice Group	1
Position	L0.0 P0.0 F650.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	L0.0 P0.0 F650.0
L	0.0 mm
P	0.0 mm
F	650.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
Slice Group	2
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg
Slice Group	3
Position	Isocenter
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Mode	Standard

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Label	
Table Position	700 mm
Table Position	F
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	
Composing Group	1
Last Step	On

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	11.0 ms
Segments	1
Concatenations	23

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	450 mm
FOV Phase	100.0 %
Phase Resolution	70 %

Physio - PACE

Resp. Control	Off
Concatenations	23

Inline - Liver

Liver Registration	Off
Save Original Images	On

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Composing Group	1
Last Step	On
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Fast
Gradient Mode	Boost
Flow Compensation	None
Bandwidth	230 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On

Sequence - Assistant

SAR Assistant	Off
Boost Assistant	Off

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\ep2d_diff_b50_800_tra_p2_DRB *

TA: 2:54 min Coil Selection: Auto Voxel Size: 1.7×1.7×6.0 mm³ Acc:: 2 Rel. SNR: 1.00 | Substep: 1/6

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 H96.9 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
TE	78.00 ms
Concatenations	1

Contrast - Common

TR	5400.0 ms
TE	78.00 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Delay in TR	0.00 ms

Resolution - Common

FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm

Resolution - Common

Base Resolution	128
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	26
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	On

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 H96.9 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A21.3 H96.9 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	97 mm
Table Position	H
Disable Voice Commands	Off
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Diffusion
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A21.3 H96.9 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	377 mm
R >> L	430 mm
F >> H	215 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000

Physio - Signal

1st Signal/Mode	None
TR	5400.0 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	3D Diagonal
Diff. Directions	1
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	50 s/mm²
b-value 2	800 s/mm²
Averages 1	7
Averages 2	22
Complex Averaging	On
Dynamic Field Correction	On
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm²
ADC Noise Threshold	0
Noise Masking	On
Calculated Image	Off

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	epse
Excitation	Standard
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	1220 Hz/Px
Echo Spacing	0.95 ms
Free Echo Spacing	On
Optimization	None
EPI Factor	112

Sequence - Part 2

Introduction	On
Phase Correction	External

Sequence - Assistant

SAR Assistant	Off
Optimization	None

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\ep2d_diff_b50_800_tra_p2_DRB *

TA: 2:54 min Coil Selection: Auto Voxel Size: 1.7×1.7×6.0 mm³ Acc:: 2 Rel. SNR: 1.00 | Substep: 2/6

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F69.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
TE	78.00 ms
Concatenations	1

Contrast - Common

TR	5400.0 ms
TE	78.00 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Delay in TR	0.00 ms

Resolution - Common

FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm

Resolution - Common

Base Resolution	128
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	26
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	On

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F69.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A21.3 F69.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	69 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Diffusion
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A21.3 F69.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	377 mm
R >> L	430 mm
F >> H	215 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000

Physio - Signal

1st Signal/Mode	None
TR	5400.0 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	3D Diagonal
Diff. Directions	1
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	50 s/mm²
b-value 2	800 s/mm²
Averages 1	7
Averages 2	22
Complex Averaging	On
Dynamic Field Correction	On
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm²
ADC Noise Threshold	0
Noise Masking	On
Calculated Image	Off

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	epse
Excitation	Standard
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	1220 Hz/Px
Echo Spacing	0.95 ms
Free Echo Spacing	On
Optimization	None
EPI Factor	112

Sequence - Part 2

Introduction	On
Phase Correction	External

Sequence - Assistant

SAR Assistant	Off
Optimization	None

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\ep2d_diff_b50_800_tra_p2_DRB *

TA: 2:54 min Coil Selection: Auto Voxel Size: 1.7×1.7×6.0 mm³ Acc:: 2 Rel. SNR: 1.00 | Substep: 3/6

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F235.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
TE	78.00 ms
Concatenations	1

Contrast - Common

TR	5400.0 ms
TE	78.00 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Delay in TR	0.00 ms

Resolution - Common

FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm

Resolution - Common

Base Resolution	128
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	26
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	On

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F235.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A21.3 F235.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	235 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Diffusion
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A21.3 F235.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	377 mm
R >> L	430 mm
F >> H	215 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000

Physio - Signal

1st Signal/Mode	None
TR	5400.0 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	3D Diagonal
Diff. Directions	1
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	50 s/mm²
b-value 2	800 s/mm²
Averages 1	7
Averages 2	22
Complex Averaging	On
Dynamic Field Correction	On
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm²
ADC Noise Threshold	0
Noise Masking	On
Calculated Image	Off

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	epse
Excitation	Standard
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	1220 Hz/Px
Echo Spacing	0.95 ms
Free Echo Spacing	On
Optimization	None
EPI Factor	112

Sequence - Part 2

Introduction	On
Phase Correction	External

Sequence - Assistant

SAR Assistant	Off
Optimization	None

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\ep2d_diff_b50_800_tra_p2_DRB *

TA: 2:54 min Coil Selection: Auto Voxel Size: 1.7×1.7×6.0 mm³ Acc:: 2 Rel. SNR: 1.00 | Substep: 4/6

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F401.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
TE	78.00 ms
Concatenations	1

Contrast - Common

TR	5400.0 ms
TE	78.00 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Delay in TR	0.00 ms

Resolution - Common

FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm

Resolution - Common

Base Resolution	128
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	26
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	On

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F401.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A21.3 F401.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	401 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Diffusion
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A21.3 F401.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	377 mm
R >> L	430 mm
F >> H	215 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000

Physio - Signal

1st Signal/Mode	None
TR	5400.0 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	3D Diagonal
Diff. Directions	1
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	50 s/mm²
b-value 2	800 s/mm²
Averages 1	7
Averages 2	22
Complex Averaging	On
Dynamic Field Correction	On
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm²
ADC Noise Threshold	0
Noise Masking	On
Calculated Image	Off

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	epse
Excitation	Standard
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	1220 Hz/Px
Echo Spacing	0.95 ms
Free Echo Spacing	On
Optimization	None
EPI Factor	112

Sequence - Part 2

Introduction	On
Phase Correction	External

Sequence - Assistant

SAR Assistant	Off
Optimization	None

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\ep2d_diff_b50_800_tra_p2_DRB *

TA: 2:54 min Coil Selection: Auto Voxel Size: 1.7×1.7×6.0 mm³ Acc:: 2 Rel. SNR: 1.00 | Substep: 5/6

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F567.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
TE	78.00 ms
Concatenations	1

Contrast - Common

TR	5400.0 ms
TE	78.00 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Delay in TR	0.00 ms

Resolution - Common

FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm

Resolution - Common

Base Resolution	128
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	26
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	On

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F567.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A21.3 F567.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	567 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Diffusion
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A21.3 F567.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	377 mm
R >> L	430 mm
F >> H	215 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000

Physio - Signal

1st Signal/Mode	None
TR	5400.0 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	3D Diagonal
Diff. Directions	1
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	50 s/mm²
b-value 2	800 s/mm²
Averages 1	7
Averages 2	22
Complex Averaging	On
Dynamic Field Correction	On
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm²
ADC Noise Threshold	0
Noise Masking	On
Calculated Image	Off

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	epse
Excitation	Standard
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	1220 Hz/Px
Echo Spacing	0.95 ms
Free Echo Spacing	On
Optimization	None
EPI Factor	112

Sequence - Part 2

Introduction	On
Phase Correction	External

Sequence - Assistant

SAR Assistant	Off
Optimization	None

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\ep2d_diff_b50_800_tra_p2_DRB *

TA: 2:54 min Coil Selection: Auto Voxel Size: 1.7×1.7×6.0 mm³ Acc:: 2 Rel. SNR: 1.00 | Substep: 6/6

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F733.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
TE	78.00 ms
Concatenations	1

Contrast - Common

TR	5400.0 ms
TE	78.00 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Delay in TR	0.00 ms

Resolution - Common

FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm

Resolution - Common

Base Resolution	128
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	26
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	On

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F733.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A21.3 F733.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	733 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Diffusion
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A21.3 F733.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	377 mm
R >> L	430 mm
F >> H	215 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000

Physio - Signal

1st Signal/Mode	None
TR	5400.0 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	3D Diagonal
Diff. Directions	1
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	50 s/mm²
b-value 2	800 s/mm²
Averages 1	7
Averages 2	22
Complex Averaging	On
Dynamic Field Correction	On
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm²
ADC Noise Threshold	0
Noise Masking	On
Calculated Image	Off

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	epse
Excitation	Standard
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	1220 Hz/Px
Echo Spacing	0.95 ms
Free Echo Spacing	On
Optimization	None
EPI Factor	112

Sequence - Part 2

Introduction	On
Phase Correction	External

Sequence - Assistant

SAR Assistant	Off
Optimization	None

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t1_vibe_dixon_tra_p4_bh_DRB *

TA: 14 sec Coil Selection: Auto Voxel Size: 1.0×1.0×3.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 1/5

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	1
After Measurement	4

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 H80.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slices per Slab	80
Phase Oversampling	30 %
Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.74 ms
TE 1	2.63 ms
TE 2	6.47 ms
Averages	1
Concatenations	1

Contrast - Common

TR	9.74 ms
TE 1	2.63 ms
TE 2	6.47 ms
Flip Angle	20 deg
Fat-Water Contrast	Dixon
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1
Multiple Series	Off

Contrast - Dynamic

3D Reordering	Standard
Time to Center	6.4 s
Burn Time to Center	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
Base Resolution	224
Phase Resolution	80 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Total Factor	4
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	2
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8
Slice Partial Fourier	5/8
Asymmetric Echo	Off
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
POCS	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	Off
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 H80.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	80
Phase Oversampling	30 %
Slice Oversampling	10.0 %
FOV Read	430 mm

Geometry - Common

FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.74 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L0.0 A23.7 H80.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	80 mm
Table Position	H
Disable Voice Commands	On
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A23.7 H80.4 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	369 mm
R >> L	430 mm
F >> H	240 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Liver

Liver Registration	Off
Save Original Images	On
Fat Fraction (2pt)	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Readout Mode	Bipolar
Gradient Mode	Normal
Bandwidth	330 Hz/Px
Asymmetric Echo	Off
Optimization	Min/Opp

Sequence - Part 2

Introduction	Off
RF Spoiling	On
Incr. Gradient Spoiling	Off
Breast Application	Off
Phase Enc. Order	Automatic

Sequence - Assistant

SAR Assistant	Off
Optimization	Min/Opp

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t1_vibe_dixon_tra_p4_bh_DRB *

TA: 15 sec Coil Selection: Auto Voxel Size: 1.0×1.0×3.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 2/5

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	1
After Measurement	4

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 F124.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slices per Slab	80
Phase Oversampling	30 %
Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.74 ms
TE 1	2.63 ms
TE 2	6.47 ms
Averages	1
Concatenations	1

Contrast - Common

TR	9.74 ms
TE 1	2.63 ms
TE 2	6.47 ms
Flip Angle	20 deg
Fat-Water Contrast	Dixon
Lines per Shot	31
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1

Contrast - Dynamic

Multiple Series	Off
3D Reordering	Standard
Reordering	Linear
Time to Center	6.8 s
Burn Time to Center	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
Base Resolution	224
Phase Resolution	80 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Total Factor	4
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	2
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8
Slice Partial Fourier	5/8
Asymmetric Echo	Off
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
POCS	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	Off
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 F124.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	80
Phase Oversampling	30 %

Geometry - Common

Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.74 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L0.0 A23.7 F124.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	Parallel H
Gap	5.00 mm
Thickness	80.00 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	125 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off

System - Adjustments

Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A23.7 F124.8 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	369 mm
R >> L	430 mm
F >> H	240 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Liver

Liver Registration	Off
Save Original Images	On
Fat Fraction (2pt)	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	On

Inline - Composing

Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Readout Mode	Bipolar
Gradient Mode	Normal
Reordering	Linear
Bandwidth	330 Hz/Px
Asymmetric Echo	Off
Optimization	Min/Opp

Sequence - Part 2

Introduction	Off
RF Spoiling	On
Incr. Gradient Spoiling	Off
Breast Application	Off
Phase Enc. Order	Automatic

Sequence - Assistant

SAR Assistant	Off
Optimization	Min/Opp

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t1_vibe_dixon_tra_p4_bh_DRB *

TA: 15 sec Coil Selection: Auto Voxel Size: 1.0×1.0×3.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 3/5

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	1
After Measurement	4

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 F336.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slices per Slab	80
Phase Oversampling	30 %
Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.74 ms
TE 1	2.63 ms
TE 2	6.47 ms
Averages	1
Concatenations	1

Contrast - Common

TR	9.74 ms
TE 1	2.63 ms
TE 2	6.47 ms
Flip Angle	20 deg
Fat-Water Contrast	Dixon
Lines per Shot	31
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1

Contrast - Dynamic

Multiple Series	Off
3D Reordering	Standard
Reordering	Linear
Time to Center	6.8 s
Burn Time to Center	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
Base Resolution	224
Phase Resolution	80 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Total Factor	4
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	2
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8
Slice Partial Fourier	5/8
Asymmetric Echo	Off
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
POCS	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	Off
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 F336.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	80
Phase Oversampling	30 %

Geometry - Common

Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.74 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L0.0 A23.7 F336.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	Parallel H
Gap	5.00 mm
Thickness	80.00 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	336 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off

System - Adjustments

Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A23.7 F336.4 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	369 mm
R >> L	430 mm
F >> H	240 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Liver

Liver Registration	Off
Save Original Images	On
Fat Fraction (2pt)	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	On

Inline - Composing

Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Readout Mode	Bipolar
Gradient Mode	Normal
Reordering	Linear
Bandwidth	330 Hz/Px
Asymmetric Echo	Off
Optimization	Min/Opp

Sequence - Part 2

Introduction	Off
RF Spoiling	On
Incr. Gradient Spoiling	Off
Breast Application	Off
Phase Enc. Order	Automatic

Sequence - Assistant

SAR Assistant	Off
Optimization	Min/Opp

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t1_vibe_dixon_tra_p4_bh_DRB *

TA: 15 sec Coil Selection: Auto Voxel Size: 1.0×1.0×3.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 4/5

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	1
After Measurement	4

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 F540.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slices per Slab	80
Phase Oversampling	30 %
Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.74 ms
TE 1	2.63 ms
TE 2	6.47 ms
Averages	1
Concatenations	1

Contrast - Common

TR	9.74 ms
TE 1	2.63 ms
TE 2	6.47 ms
Flip Angle	20 deg
Fat-Water Contrast	Dixon
Lines per Shot	31
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1

Contrast - Dynamic

Multiple Series	Off
3D Reordering	Standard
Reordering	Linear
Time to Center	6.8 s
Burn Time to Center	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
Base Resolution	224
Phase Resolution	80 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Total Factor	4
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	2
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8
Slice Partial Fourier	5/8
Asymmetric Echo	Off
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
POCS	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	Off
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 F540.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	80
Phase Oversampling	30 %

Geometry - Common

Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.74 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L0.0 A23.7 F540.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	Parallel H
Gap	5.00 mm
Thickness	80.00 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	541 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off

System - Adjustments

Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A23.7 F540.8 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	369 mm
R >> L	430 mm
F >> H	240 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Liver

Liver Registration	Off
Save Original Images	On
Fat Fraction (2pt)	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	On

Inline - Composing

Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Readout Mode	Bipolar
Gradient Mode	Normal
Reordering	Linear
Bandwidth	330 Hz/Px
Asymmetric Echo	Off
Optimization	Min/Opp

Sequence - Part 2

Introduction	Off
RF Spoiling	On
Incr. Gradient Spoiling	Off
Breast Application	Off
Phase Enc. Order	Automatic

Sequence - Assistant

SAR Assistant	Off
Optimization	Min/Opp

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t1_vibe_dixon_tra_p4_bh_DRB *

TA: 15 sec Coil Selection: Auto Voxel Size: 1.0×1.0×3.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 5/5

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	1
After Measurement	4

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 F734.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slices per Slab	80
Phase Oversampling	30 %
Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.71 ms
TE 1	2.63 ms
TE 2	6.47 ms
Averages	1
Concatenations	1

Contrast - Common

TR	9.71 ms
TE 1	2.63 ms
TE 2	6.47 ms
Flip Angle	20 deg
Fat-Water Contrast	Dixon
Lines per Shot	31
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1

Contrast - Dynamic

Multiple Series	Off
3D Reordering	Standard
Reordering	Linear
Time to Center	6.8 s
Burn Time to Center	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
Base Resolution	224
Phase Resolution	80 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Total Factor	4
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	2
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8
Slice Partial Fourier	5/8
Asymmetric Echo	Off
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
POCS	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	Off
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 F734.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	80
Phase Oversampling	30 %

Geometry - Common

Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.71 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L0.0 A23.7 F734.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	Parallel H
Gap	5.00 mm
Thickness	80.00 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	734 mm
Table Position	F
Disable Voice Commands	On
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off

System - Adjustments

Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A23.7 F734.4 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	369 mm
R >> L	430 mm
F >> H	240 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Liver

Liver Registration	Off
Save Original Images	On
Fat Fraction (2pt)	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	On

Inline - Composing

Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Readout Mode	Bipolar
Gradient Mode	Normal
Reordering	Linear
Bandwidth	330 Hz/Px
Asymmetric Echo	Off
Optimization	Min/Opp

Sequence - Part 2

Introduction	Off
RF Spoiling	On
Incr. Gradient Spoiling	Off
Breast Application	Off
Phase Enc. Order	Automatic

Sequence - Assistant

SAR Assistant	Off
Optimization	Min/Opp

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t2_haste_tra_p3_bh_DRB *

TA: 24 sec Coil Selection: Auto Voxel Size: 0.8×0.8×6.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 1/5

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	45
Distance Factor	20 %
Position	L0.0 A20.7 H15.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
TE	89.00 ms
Averages	1
Concatenations	1

Contrast - Common

TR	542.0 ms
TE	89.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Hyperecho
Flip Angle 1	175 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
Base Resolution	272
Phase Resolution	80 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	48
Deep Resolve / ID Gain	On
Phase Partial Fourier	7/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	45
Distance Factor	20 %
Position	L0.0 A20.7 H15.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
Multi-Slice Mode	Single Shot
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A20.7 H15.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm

Geometry - AutoAlign

H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	16 mm
Table Position	H
Disable Voice Commands	On
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	542.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	430 mm
FOV Phase	88.2 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	hR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Boost
Flow Compensation	None
Bandwidth	360 Hz/Px
Echo Spacing	5.54 ms
Turbo Factor	192

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	140 deg
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t2_haste_tra_p3_bh_DRB *

TA: 19 sec Coil Selection: Auto Voxel Size: 0.8×0.8×6.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 2/5

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L0.0 A20.7 F204.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
TE	89.00 ms
Averages	1
Concatenations	1

Contrast - Common

TR	542.0 ms
TE	89.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Hyperecho
Flip Angle 1	175 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
Base Resolution	272
Phase Resolution	80 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	48
Deep Resolve / ID Gain	On
Phase Partial Fourier	7/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L0.0 A20.7 F204.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
Multi-Slice Mode	Single Shot
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A20.7 F204.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm

Geometry - AutoAlign

H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	204 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	542.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	430 mm
FOV Phase	88.2 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	hR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Boost
Flow Compensation	None
Bandwidth	360 Hz/Px
Echo Spacing	5.54 ms
Turbo Factor	192

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	140 deg
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t2_haste_tra_p3_bh_DRB *

TA: 19 sec Coil Selection: Auto Voxel Size: 0.8×0.8×6.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 3/5

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L0.0 A20.7 F397.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
TE	89.00 ms
Averages	1
Concatenations	1

Contrast - Common

TR	542.0 ms
TE	89.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Hyperecho
Flip Angle 1	175 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
Base Resolution	272
Phase Resolution	80 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	48
Deep Resolve / ID Gain	On
Phase Partial Fourier	7/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L0.0 A20.7 F397.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
Multi-Slice Mode	Single Shot
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A20.7 F397.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm

Geometry - AutoAlign

H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	398 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	542.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	430 mm
FOV Phase	88.2 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	hR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Boost
Flow Compensation	None
Bandwidth	360 Hz/Px
Echo Spacing	5.54 ms
Turbo Factor	192

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	140 deg
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t2_haste_tra_p3_bh_DRB *

TA: 19 sec Coil Selection: Auto Voxel Size: 0.8×0.8×6.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 4/5

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L0.0 A20.7 F598.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
TE	89.00 ms
Averages	1
Concatenations	1

Contrast - Common

TR	542.0 ms
TE	89.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Hyperecho
Flip Angle 1	175 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
Base Resolution	272
Phase Resolution	80 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	48
Deep Resolve / ID Gain	On
Phase Partial Fourier	7/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L0.0 A20.7 F598.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
Multi-Slice Mode	Single Shot
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A20.7 F598.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm

Geometry - AutoAlign

H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	598 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	542.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	430 mm
FOV Phase	88.2 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	hR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Boost
Flow Compensation	None
Bandwidth	360 Hz/Px
Echo Spacing	5.54 ms
Turbo Factor	192

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	140 deg
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t2_haste_tra_p3_bh_DRB *

TA: 19 sec Coil Selection: Auto Voxel Size: 0.8×0.8×6.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 5/5

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L0.0 A20.7 F800.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
TE	89.00 ms
Averages	1
Concatenations	1

Contrast - Common

TR	542.0 ms
TE	89.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Hyperecho
Flip Angle 1	175 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
Base Resolution	272
Phase Resolution	80 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	48
Deep Resolve / ID Gain	On
Phase Partial Fourier	7/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L0.0 A20.7 F800.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
Multi-Slice Mode	Single Shot
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A20.7 F800.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm

Geometry - AutoAlign

H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	800 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	542.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	430 mm
FOV Phase	88.2 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	hR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Boost
Flow Compensation	None
Bandwidth	360 Hz/Px
Echo Spacing	5.54 ms
Turbo Factor	192

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	140 deg
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t2_tse_stir_sag_p3_DRB_Whole_Spine *

TA: 1:47 min Coil Selection: Auto Voxel Size: 0.5×0.5×4.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 1/3

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	13
Distance Factor	10 %
Position	R9.3 P37.5 F9.1 mm
Orientation	S > T3.2
Phase Encoding Dir.	H >> F
AutoAlign	Spine > Cervical
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
TR	3590.0 ms
TE	54.00 ms
Averages	2
Concatenations	1

Contrast - Common

TR	3590.0 ms
TE	54.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	120 ms
Freeze Suppr. Tissue	Off
Flip Angle 1	160 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard

Contrast - Dynamic

Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
Base Resolution	192
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	13
Distance Factor	10 %
Position	R9.3 P37.5 F9.1 mm
Orientation	S > T3.2
Phase Encoding Dir.	H >> F
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
TR	3590.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R9.3 P37.5 F9.1 mm
Orientation	S > T3.2
Phase Encoding Dir.	H >> F
AutoAlign	Spine > Cervical
Initial Position	L4.5 A19.9 F120.5
L	4.5 mm

Geometry - AutoAlign

A	19.9 mm
F	120.5 mm
Initial Orientation	Sagittal
Initial Rotation	90.00 deg

Geometry - Navigator

Geometry - Saturation

Saturation Region	1
Thickness	50.00 mm
Position	R13.5 A23.9 F57.8 mm
Orientation	C > T-17.5
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	9 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3590.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	120 ms
Dark Blood	Off
FOV Read	200 mm
FOV Phase	140.6 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	ftir_rr

Sequence - Part 1

Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Boost
Flow Compensation	Read
Bandwidth	100 Hz/Px
Echo Spacing	13.4 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	11
Echo Trains per Slice	14

Sequence - Part 2

Introduction	Off
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	On
WARP	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	4500.0 ms
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t2_tse_stir_sag_p3_DRB_Whole_Spine *

TA: 1:47 min Coil Selection: Auto Voxel Size: 0.5×0.5×4.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 2/3

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	13
Distance Factor	10 %
Position	R14.5 P59.7 F214.1 mm
Orientation	S > T-1.1
Phase Encoding Dir.	H >> F
AutoAlign	None
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
TR	3590.0 ms
TE	54.00 ms
Averages	2
Concatenations	1

Contrast - Common

TR	3590.0 ms
TE	54.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	120 ms
Freeze Suppr. Tissue	Off
Flip Angle 1	160 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard

Contrast - Dynamic

Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
Base Resolution	192
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	13
Distance Factor	10 %
Position	R14.5 P59.7 F214.1 mm
Orientation	S > T-1.1
Phase Encoding Dir.	H >> F
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
TR	3590.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R14.5 P59.7 F214.1 mm
Orientation	S > T-1.1
Phase Encoding Dir.	H >> F
AutoAlign	None
Initial Position	L4.5 A19.9 F120.5
L	4.5 mm

Geometry - AutoAlign

A	19.9 mm
F	120.5 mm
Initial Orientation	Sagittal
Initial Rotation	90.00 deg

Geometry - Navigator

Geometry - Saturation

Saturation Region	1
Thickness	50.00 mm
Position	R13.5 A23.7 F274.9 mm
Orientation	C > T-0.5
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	214 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3590.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	120 ms
Dark Blood	Off
FOV Read	200 mm
FOV Phase	140.6 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	ftir_rr

Sequence - Part 1

Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Boost
Flow Compensation	Read
Bandwidth	100 Hz/Px
Echo Spacing	13.4 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	11
Echo Trains per Slice	14

Sequence - Part 2

Introduction	Off
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	On
WARP	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	4500.0 ms
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t2_tse_stir_sag_p3_DRB_Whole_Spine *

TA: 2:03 min Coil Selection: Auto Voxel Size: 0.5×0.5×4.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 3/3

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	15
Distance Factor	10 %
Position	R12.9 P56.5 F415.7 mm
Orientation	S > T1.4
Phase Encoding Dir.	H >> F
AutoAlign	Spine > Cervical
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
TR	4140.0 ms
TE	54.00 ms
Averages	2
Concatenations	1

Contrast - Common

TR	4140.0 ms
TE	54.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	120 ms
Freeze Suppr. Tissue	Off
Flip Angle 1	160 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard

Contrast - Dynamic

Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
Base Resolution	192
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	15
Distance Factor	10 %
Position	R12.9 P56.5 F415.7 mm
Orientation	S > T1.4
Phase Encoding Dir.	H >> F
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
TR	4140.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R12.9 P56.5 F415.7 mm
Orientation	S > T1.4
Phase Encoding Dir.	H >> F
AutoAlign	Spine > Cervical
Initial Position	L4.5 A19.9 F120.5
L	4.5 mm

Geometry - AutoAlign

A	19.9 mm
F	120.5 mm
Initial Orientation	Sagittal
Initial Rotation	90.00 deg

Geometry - Navigator

Geometry - Saturation

Saturation Region	1
Thickness	50.00 mm
Position	L1.0 A31.3 F443.4 mm
Orientation	C > T9.7
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	416 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	4140.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	120 ms
Dark Blood	Off
FOV Read	200 mm
FOV Phase	140.6 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	ftir_rr

Sequence - Part 1

Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Boost
Flow Compensation	Read
Bandwidth	100 Hz/Px
Echo Spacing	13.4 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	11
Echo Trains per Slice	14

Sequence - Part 2

Introduction	Off
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	On
WARP	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	4500.0 ms
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t1_tse_sag_p3_DRB_Whole_Spine *

TA: 1:52 min Coil Selection: Auto Voxel Size: 0.4×0.4×4.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 1/3

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	2nd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	13
Distance Factor	10 %
Position	R9.3 P37.5 F9.1 mm
Orientation	S > T3.2
Phase Encoding Dir.	H >> F
AutoAlign	Spine > Cervical
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
TR	402.0 ms
TE	14.00 ms
Averages	2
Concatenations	2

Contrast - Common

TR	402.0 ms
TE	14.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	160 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Each Measurement

Resolution - Common

FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
Base Resolution	256
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	13
Distance Factor	10 %
Position	R9.3 P37.5 F9.1 mm
Orientation	S > T3.2
Phase Encoding Dir.	H >> F
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
TR	402.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	R9.3 P37.5 F9.1 mm
Orientation	S > T3.2
Phase Encoding Dir.	H >> F
AutoAlign	Spine > Cervical
Initial Position	L4.5 A19.9 F120.5
L	4.5 mm
A	19.9 mm

Geometry - AutoAlign

F	120.5 mm
Initial Orientation	Sagittal
Initial Rotation	90.00 deg

Geometry - Navigator

Geometry - Saturation

Saturation Region	1
Thickness	50.00 mm
Position	R13.5 A23.9 F57.8 mm
Orientation	C > T-17.5
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	9 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	WS

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	402.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	200 mm
FOV Phase	140.6 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	WS

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	tse_rr
Dimension	2D

Sequence - Part 1

RF Pulse Type	Normal
Gradient Mode	Boost
Flow Compensation	Read
Bandwidth	119 Hz/Px
Echo Spacing	13.7 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	67

Sequence - Part 2

Introduction	On
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	Off
WARP	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	4500.0 ms
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t1_tse_sag_p3_DRB_Whole_Spine *

TA: 1:52 min Coil Selection: Auto Voxel Size: 0.4×0.4×4.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 2/3

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	2nd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	13
Distance Factor	10 %
Position	R14.5 P59.7 F214.1 mm
Orientation	S > T-1.1
Phase Encoding Dir.	H >> F
AutoAlign	None
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	141.4 %
Slice Thickness	4.0 mm
TR	396.0 ms
TE	14.00 ms
Averages	2
Concatenations	2

Contrast - Common

TR	396.0 ms
TE	14.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	160 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Each Measurement

Resolution - Common

FOV Read	200 mm
FOV Phase	141.4 %
Slice Thickness	4.0 mm
Base Resolution	256
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	13
Distance Factor	10 %
Position	R14.5 P59.7 F214.1 mm
Orientation	S > T-1.1
Phase Encoding Dir.	H >> F
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	141.4 %
Slice Thickness	4.0 mm
TR	396.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	R14.5 P59.7 F214.1 mm
Orientation	S > T-1.1
Phase Encoding Dir.	H >> F
AutoAlign	None
Initial Position	L4.5 A19.9 F120.5
L	4.5 mm
A	19.9 mm

Geometry - AutoAlign

F	120.5 mm
Initial Orientation	Sagittal
Initial Rotation	90.00 deg

Geometry - Navigator

Geometry - Saturation

Saturation Region	1
Thickness	50.00 mm
Position	R13.5 A23.7 F274.9 mm
Orientation	C > T-0.5
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	214 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	WS

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	396.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	200 mm
FOV Phase	141.4 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	WS

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	tse_rr
Dimension	2D

Sequence - Part 1

RF Pulse Type	Normal
Gradient Mode	Boost
Flow Compensation	Read
Bandwidth	119 Hz/Px
Echo Spacing	13.7 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	68

Sequence - Part 2

Introduction	On
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	Off
WARP	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	4500.0 ms
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t1_tse_sag_p3_DRB_Whole_Spine *

TA: 2:06 min Coil Selection: Auto Voxel Size: 0.4×0.4×4.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 3/3

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	On
Load Images to Graphic Segments	On
	2nd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	15
Distance Factor	10 %
Position	R12.9 P56.5 F415.7 mm
Orientation	S > T1.4
Phase Encoding Dir.	H >> F
AutoAlign	Spine > Cervical
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
TR	452.0 ms
TE	14.00 ms
Averages	2
Concatenations	2

Contrast - Common

TR	452.0 ms
TE	14.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	160 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Each Measurement

Resolution - Common

FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
Base Resolution	256
Phase Resolution	70 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	15
Distance Factor	10 %
Position	R12.9 P56.5 F415.7 mm
Orientation	S > T1.4
Phase Encoding Dir.	H >> F
Phase Oversampling	140 %
FOV Read	200 mm
FOV Phase	140.6 %
Slice Thickness	4.0 mm
TR	452.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	R12.9 P56.5 F415.7 mm
Orientation	S > T1.4
Phase Encoding Dir.	H >> F
AutoAlign	Spine > Cervical
Initial Position	L4.5 A19.9 F120.5
L	4.5 mm
A	19.9 mm

Geometry - AutoAlign

F	120.5 mm
Initial Orientation	Sagittal
Initial Rotation	90.00 deg

Geometry - Navigator

Geometry - Saturation

Saturation Region	1
Thickness	50.00 mm
Position	L1.0 A31.3 F443.4 mm
Orientation	C > T9.7
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Label	
Table Position	416 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	WS

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	452.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	200 mm
FOV Phase	140.6 %
Phase Resolution	70 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Spine
Series Description	WS

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	tse_rr
Dimension	2D

Sequence - Part 1

RF Pulse Type	Normal
Gradient Mode	Boost
Flow Compensation	Read
Bandwidth	119 Hz/Px
Echo Spacing	13.7 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	67

Sequence - Part 2

Introduction	On
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	Off
WARP	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle > TR
Min Flip Angle	120 deg
Max. TR	4500.0 ms
Allowed Delay	30 s
Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t1_vibe_tra_p4_2.5mm_bh_Lungs_DRB *

TA: 19 sec Coil Selection: Auto Voxel Size: 0.9×0.9×2.5 mm³ Acc:: 4 Rel. SNR: 1.00

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	1
After Measurement	4

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	R21.4 P0.0 F186.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slices per Slab	108
Phase Oversampling	50 %
Slice Oversampling	33.3 %
FOV Read	400 mm
FOV Phase	80.4 %
Slice Thickness	2.5 mm
TR	4.25 ms
TE	1.36 ms
Averages	1
Concatenations	1

Contrast - Common

TR	4.25 ms
TE	1.36 ms
Flip Angle	20 deg
Fat-Water Contrast	Standard
Contrasts	1
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1
Multiple Series	Each Measurement
3D Reordering	Standard
Time to Center	9.4 s

Contrast - Dynamic

Burn Time to Center	On

Resolution - Common

FOV Read	400 mm
FOV Phase	80.4 %
Slice Thickness	2.5 mm
Base Resolution	224
Phase Resolution	90 %
Slice Resolution	60 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Total Factor	4
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	2
Reference Lines 3D	16
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Strong
Elliptical Scanning	On

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
POCS	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	Off
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	R21.4 P0.0 F186.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	108
Phase Oversampling	50 %
Slice Oversampling	33.3 %
FOV Read	400 mm
FOV Phase	80.4 %
Slice Thickness	2.5 mm
TR	4.25 ms
Series	Ascending

Geometry - Common

Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	R21.4 P0.0 F186.6 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Label	
Table Position	187 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	R21.4 P0.0 F186.6 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	322 mm
R >> L	400 mm
F >> H	270 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Liver

Liver Registration	Off
Save Original Images	On

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	Off

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Boost
Bandwidth	410 Hz/Px
Asymmetric Echo	Strong
Optimization	None

Sequence - Part 2

Introduction	Off
RF Spoiling	On
Incr. Gradient Spoiling	Off
Breast Application	Off
Phase Enc. Order	Automatic

Sequence - Assistant

SAR Assistant	Off
Boost Assistant	Off
Optimization	None

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\legs_t1_vibe_dixon_tra_p4_bh_DRB *

TA: 15 sec Coil Selection: Auto Voxel Size: 1.0×1.0×3.0 mm³ Acc:: 4 Rel. SNR: 1.00

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 F889.2 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Slices per Slab	80
Phase Oversampling	30 %
Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.71 ms
TE 1	2.63 ms
TE 2	6.47 ms
Averages	1
Concatenations	1

Contrast - Common

TR	9.71 ms
TE 1	2.63 ms
TE 2	6.47 ms
Flip Angle	20 deg
Fat-Water Contrast	Dixon
Lines per Shot	31
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1

Contrast - Dynamic

Multiple Series	Off
3D Reordering	Standard
Reordering	Linear
Time to Center	6.8 s
Burn Time to Center	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
Base Resolution	224
Phase Resolution	80 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Total Factor	4
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	2
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8
Slice Partial Fourier	5/8
Asymmetric Echo	Off
Elliptical Scanning	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
POCS	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	Off
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L0.0 A23.7 F889.2 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	80
Phase Oversampling	30 %

Geometry - Common

Slice Oversampling	10.0 %
FOV Read	430 mm
FOV Phase	85.7 %
Slice Thickness	3.0 mm
TR	9.71 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L0.0 A23.7 F889.2 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Special Saturation	Parallel H
Gap	5.00 mm
Thickness	80.00 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Label	
Table Position	889 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A23.7 F889.2 mm

System - Adjust Volume

Orientation	Transversal
Rotation	0.00 deg
A >> P	369 mm
R >> L	430 mm
F >> H	240 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - PACE

Resp. Control	Off
Concatenations	1

Inline - Liver

Liver Registration	Off
Save Original Images	On
Fat Fraction (2pt)	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Soft Tissue

Wash-in	Off
Wash-out	Off
TTP	Off
PEI	Off
MIP Time	Off
Measurements	1

Inline - Composing

Inline Composing	Off

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Readout Mode	Bipolar
Gradient Mode	Normal
Reordering	Linear
Bandwidth	330 Hz/Px
Asymmetric Echo	Off
Optimization	Min/Opp

Sequence - Part 2

Introduction	Off
RF Spoiling	On
Incr. Gradient Spoiling	Off
Breast Application	Off
Phase Enc. Order	Automatic

Sequence - Assistant

SAR Assistant	Off
Optimization	Min/Opp

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\t2_haste_tra_p3_bh_DRB *

TA: 19 sec Coil Selection: Auto Voxel Size: 0.8×0.8×6.0 mm³ Acc:: 4 Rel. SNR: 1.00

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	On
Auto Close Inline Display	On
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L0.0 A20.7 F800.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
TE	89.00 ms
Averages	1
Concatenations	1

Contrast - Common

TR	542.0 ms
TE	89.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Hyperecho
Flip Angle 1	175 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Off

Resolution - Common

FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
Base Resolution	272
Phase Resolution	80 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	48
Deep Resolve / ID Gain	On
Phase Partial Fourier	7/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Image Filter	Off

Geometry - Common

Slice Group	1
Slices	35
Distance Factor	20 %
Position	L0.0 A20.7 F800.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	88.2 %
Slice Thickness	6.0 mm
TR	542.0 ms
Multi-Slice Mode	Single Shot
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A20.7 F800.4 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm

Geometry - AutoAlign

H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Label	
Table Position	800 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	542.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	430 mm
FOV Phase	88.2 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
Concatenations	1

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Motion Correction	None
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	Off
MIP Tra	Off
MIP Time	Off
Radial MIP	Off
Save Original Images	On
MPR Sag	Off
MPR Cor	Off
MPR Tra	Off

Inline - Composing

Inline Composing	Off

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	hR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Boost
Flow Compensation	None
Bandwidth	360 Hz/Px
Echo Spacing	5.54 ms
Turbo Factor	192

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	140 deg
Allowed Delay	30 s

Sequence - Assistant

Boost Assistant	On

\\Free.Max_Demo\whole body\WB\5th Scan - XB10\legs_ep2d_diff_b50_800_tra_p2_DRB *

TA: 2:54 min Coil Selection: Auto Voxel Size: 1.7×1.7×6.0 mm³ Acc:: 2 Rel. SNR: 1.00

Properties

Start measurement without further preparation	Off
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F899.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
TE	78.00 ms
Concatenations	1

Contrast - Common

TR	5400.0 ms
TE	78.00 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Delay in TR	0.00 ms

Resolution - Common

FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm

Resolution - Common

Base Resolution	128
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	26
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	Prescan
Noise Masking	On

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	20 %
Position	L0.0 A21.3 F899.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	430 mm
FOV Phase	87.5 %
Slice Thickness	6.0 mm
TR	5400.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 A21.3 F899.1 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	None
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Label	
Table Position	899 mm
Table Position	F
Inline Composing	Off

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 A21.3 F899.1 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	377 mm
R >> L	430 mm
F >> H	215 mm
Reset	Off

System - Tx/Rx

Frequency 1H	23.599022 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000

Physio - Signal

1st Signal/Mode	None
TR	5400.0 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	3D Diagonal

Diff

Diff. Directions	1
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	50 s/mm²
b-value 2	800 s/mm²
Averages 1	7
Averages 2	22
Complex Averaging	On
Dynamic Field Correction	On
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm²
ADC Noise Threshold	0
Noise Masking	On
Calculated Image	Off

Inline - Open Recon

Algorithm	None

Sequence - Part 1

Sequence Name	epse
Excitation	Standard
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	1220 Hz/Px
Echo Spacing	0.95 ms
Free Echo Spacing	On
Optimization	None
EPI Factor	112

Sequence - Part 2

Introduction	On
Phase Correction	External

Sequence - Assistant

SAR Assistant	Off
Optimization	None