Table of contents

\\BRX

TMJ - UFL & Deep Resolve

Exam

FAST

localizer				*
haste_localizer_sag				*
t1_tse_TRA	CM		F	*
t1_tse_COR	CM		F	*
pd_tse_sag_CM		F	2mm	*
t2_tse_fs_sag_CM		F	2mm	*
t1_tse_TRA		OM		*
pd_tse_sag_OM		F	2mm	*
t2_tse_fs_sag	OM	F	2mm	*
t2_cine_trufi_sag				*
t1_tse_sag_FS			F	*

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\localizer *

TA: 31 sec Coil Selection: Auto Voxel Size: 0.5×0.5×5.0 mm³ Acc:: None 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	On
Load Images to Graphic Segments	On
	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	1
Distance Factor	20 %
Position	L12.1 A65.5 F40.0 mm
Orientation	S > C-3.3
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	5
Distance Factor	20 %
Position	L12.1 A65.5 F40.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	3
Slices	5
Distance Factor	20 %
Position	L12.1 A65.5 F40.0 mm
Orientation	C > S3.3
Phase Encoding Dir.	R >> L
Phase Oversampling	0 %
FOV Read	240 mm
FOV Phase	100.0 %
Slice Thickness	5.0 mm
TR	7.0 ms
TE	2.91 ms
Averages	2
Concatenations	11
AutoAlign	---

Contrast - Common

TR	7.0 ms
TE	2.91 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle	20 deg

Contrast - Common

Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	240 mm
FOV Phase	100.0 %
Slice Thickness	5.0 mm
Base Resolution	256
Phase Resolution	75 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	None
Phase Partial Fourier	Off
Asymmetric Echo	Allowed

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	1
Distance Factor	20 %
Position	L12.1 A65.5 F40.0 mm
Orientation	S > C-3.3
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	5
Distance Factor	20 %
Position	L12.1 A65.5 F40.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	3
Slices	5
Distance Factor	20 %
Position	L12.1 A65.5 F40.0 mm
Orientation	C > S3.3
Phase Encoding Dir.	R >> L

Geometry - Common

Phase Oversampling	0 %
FOV Read	240 mm
FOV Phase	100.0 %
Slice Thickness	5.0 mm
TR	7.0 ms
Multi-Slice Mode	Sequential
Series	Interleaved
Concatenations	11

Geometry - AutoAlign

Slice Group	1
Position	L12.1 A65.5 F40.0 mm
Orientation	S > C-3.3
Phase Encoding Dir.	A >> P
Slice Group	2
Position	L12.1 A65.5 F40.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	3
Position	L12.1 A65.5 F40.0 mm
Orientation	C > S3.3
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L12.1 A65.5 F40.0
L	12.1 mm
A	65.5 mm
F	40.0 mm
Initial Orientation	S > C
S > C	-3.30
> T	0.00
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Mode	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
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	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	7.0 ms
Segments	1
Concatenations	11

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	240 mm
FOV Phase	100.0 %
Phase Resolution	75 %

Physio - PACE

Resp. Control	Off
Concatenations	11

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

Inline - MIP

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

Sequence - Part 1

Sequence Name	fl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Fast
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	300 Hz/Px
Asymmetric Echo	Allowed
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On
Acoustic Noise Reduction	Off

Sequence - Assistant

SAR Assistant	Off

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\haste_localizer_sag *

TA: 18 sec Coil Selection: Auto Voxel Size: 0.5×0.5×4.0 mm³ Acc:: 3 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	On
Load Images to Graphic Segments	On
	1st Segment
Inline Movie	Off

Routine

Slice Group	1
Slices	5
Distance Factor	10 %
Position	R59.2 A6.4 F26.6 mm
Orientation	S > C-14.3 > T1.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	5
Distance Factor	10 %
Position	L67.9 A6.1 F30.5 mm
Orientation	S > C8.2 > T5.9
Phase Encoding Dir.	A >> P
Slice Group	3
Slices	3
Distance Factor	10 %
Position	L12.1 A59.4 F8.5 mm
Orientation	T > S-0.3
Phase Encoding Dir.	A >> P
Slice Group	4
Slices	3
Distance Factor	10 %
Position	L13.4 A59.4 F27.4 mm
Orientation	C > S3.3
Phase Encoding Dir.	R >> L
Phase Oversampling	0 %
FOV Read	250 mm
FOV Phase	93.8 %
Slice Thickness	4.0 mm
TR	1000.0 ms
TE	81.00 ms
Averages	1
AutoAlign	---

Contrast - Common

TR	1000.0 ms

Contrast - Common

TE	81.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle 1	150 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
Multiple Series	Off

Resolution - Common

FOV Read	250 mm
FOV Phase	93.8 %
Slice Thickness	4.0 mm
Base Resolution	256
Phase Resolution	100 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	24
Deep Resolve	On
Phase Partial Fourier	6/8

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	10 %
Position	R59.2 A6.4 F26.6 mm
Orientation	S > C-14.3 > T1.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	5
Distance Factor	10 %

Geometry - Common

Position	L67.9 A6.1 F30.5 mm
Orientation	S > C8.2 > T5.9
Phase Encoding Dir.	A >> P
Slice Group	3
Slices	3
Distance Factor	10 %
Position	L12.1 A59.4 F8.5 mm
Orientation	T > S-0.3
Phase Encoding Dir.	A >> P
Slice Group	4
Slices	3
Distance Factor	10 %
Position	L13.4 A59.4 F27.4 mm
Orientation	C > S3.3
Phase Encoding Dir.	R >> L
Phase Oversampling	0 %
FOV Read	250 mm
FOV Phase	93.8 %
Slice Thickness	4.0 mm
TR	1000.0 ms
Multi-Slice Mode	Single Shot
Series	Interleaved

Geometry - AutoAlign

Slice Group	1
Position	R59.2 A6.4 F26.6 mm
Orientation	S > C-14.3 > T1.0
Phase Encoding Dir.	A >> P
Slice Group	2
Position	L67.9 A6.1 F30.5 mm
Orientation	S > C8.2 > T5.9
Phase Encoding Dir.	A >> P
Slice Group	3
Position	L12.1 A59.4 F8.5 mm
Orientation	T > S-0.3
Phase Encoding Dir.	A >> P
Slice Group	4
Position	L13.4 A59.4 F27.4 mm
Orientation	C > S3.3
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	R59.2 A6.4 F26.6
R	59.2 mm
A	6.4 mm
F	26.6 mm
Initial Orientation	S > C
S > C	-14.30
> T	1.00
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
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	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	1000.0 ms

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	250 mm
FOV Phase	93.8 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off

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

Sequence - Part 1

Sequence Name	h
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	558 Hz/Px
Echo Spacing	4.28 ms
Turbo Factor	240

Sequence - Part 2

Introduction	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\t1_tse_TRA CM F *

TA: 17 sec Coil Selection: Auto Voxel Size: 0.3×0.3×3.0 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	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
	1st Segment
Inline Movie	Off

Routine

Slice Group	1
Slices	14
Distance Factor	10 %
Position	R3.0 A53.3 H6.7 mm
Orientation	T > C-2.0 > S1.6
Phase Encoding Dir.	R >> L
Phase Oversampling	10 %
FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	626.0 ms
TE	12.00 ms
Averages	1
Concatenations	1
AutoAlign	---

Contrast - Common

TR	626.0 ms
TE	12.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 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
Multiple Series	Each Measurement

Resolution - Common

FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	304
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	32
Deep Resolve	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	14
Distance Factor	10 %
Position	R3.0 A53.3 H6.7 mm
Orientation	T > C-2.0 > S1.6
Phase Encoding Dir.	R >> L
Phase Oversampling	10 %
FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	626.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R3.0 A53.3 H6.7 mm
Orientation	T > C-2.0 > S1.6
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	R3.0 A53.3 H6.7
R	3.0 mm
A	53.3 mm
H	6.7 mm
Initial Orientation	T > C
T > C	-2.00

Geometry - AutoAlign

> S	1.60
Initial Rotation	86.55 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	7 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
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	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	626.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	190 mm
FOV Phase	100.0 %
Phase Resolution	80 %
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	Off

Sequence - Part 1

Sequence Name	tse_rs
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	Slice
Bandwidth	191 Hz/Px
Echo Spacing	11.9 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	23

Sequence - Part 2

Introduction	Off
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	Off
WARP	Off
Red. EC Sensitivity	Off
Acoustic Noise Reduction	Off

Sequence - Part 2

Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\t1_tse_COR CM F *

TA: 40 sec Coil Selection: Auto Voxel Size: 0.2×0.2×3.0 mm³ Acc:: 3 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	On
	3rd Segment
Inline Movie	Off

Routine

Slice Group	1
Slices	7
Distance Factor	10 %
Position	R54.9 A47.3 H13.3 mm
Orientation	C > S21.6 > T2.5
Phase Encoding Dir.	R >> L
Slice Group	2
Slices	7
Distance Factor	10 %
Position	L47.9 A50.0 H16.2 mm
Orientation	C > S-29.2 > T1.0
Phase Encoding Dir.	R >> L
Phase Oversampling	200 %
FOV Read	100 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	582.0 ms
TE	11.00 ms
Averages	1
Concatenations	1
AutoAlign	---

Contrast - Common

TR	582.0 ms
TE	11.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 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
Multiple Series	Each Measurement

Resolution - Common

FOV Read	100 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	240
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve	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	7
Distance Factor	10 %
Position	R54.9 A47.3 H13.3 mm
Orientation	C > S21.6 > T2.5
Phase Encoding Dir.	R >> L
Slice Group	2
Slices	7
Distance Factor	10 %
Position	L47.9 A50.0 H16.2 mm
Orientation	C > S-29.2 > T1.0
Phase Encoding Dir.	R >> L
Phase Oversampling	200 %
FOV Read	100 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	582.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R54.9 A47.3 H13.3 mm
Orientation	C > S21.6 > T2.5
Phase Encoding Dir.	R >> L
Slice Group	2
Position	L47.9 A50.0 H16.2 mm
Orientation	C > S-29.2 > T1.0
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	R54.9 A47.3 H13.3
R	54.9 mm
A	47.3 mm
H	13.3 mm
Initial Orientation	C > S
C > S	21.60
> T	2.50
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	15 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
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

System - Adjust Volume

R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	582.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	100 mm
FOV Phase	100.0 %
Phase Resolution	80 %
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	Off

Sequence - Part 1

Sequence Name	tse
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast

Sequence - Part 1

Flow Compensation	None
Bandwidth	161 Hz/Px
Echo Spacing	11.1 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	64

Sequence - Part 2

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

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\pd_tse_sag_CM F 2mm *

TA: 1:01 min Coil Selection: Auto Voxel Size: 0.2×0.2×2.0 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	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	Off
	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	11
Distance Factor	10 %
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	11
Distance Factor	10 %
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
Phase Oversampling	125 %
FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
TR	2910.0 ms
TE	11.00 ms
Averages	2
Concatenations	1
AutoAlign	---

Contrast - Common

TR	2910.0 ms
TE	11.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 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
Multiple Series	Off

Resolution - Common

FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
Base Resolution	176
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	32
Deep Resolve	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	11
Distance Factor	10 %
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	11
Distance Factor	10 %
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
Phase Oversampling	125 %
FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
TR	2910.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	R56.8 A47.5 H5.1
R	56.8 mm
A	47.5 mm
H	5.1 mm
Initial Orientation	S > C
S > C	-25.50
> T	-2.00
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	6 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
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

System - Adjust Volume

R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	2910.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	80 mm
FOV Phase	100.0 %
Phase Resolution	100 %
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	Off

Sequence - Part 1

Sequence Name	tse
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast

Sequence - Part 1

Flow Compensation	None
Bandwidth	161 Hz/Px
Echo Spacing	11.2 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	11
Echo Trains per Slice	9

Sequence - Part 2

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

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	130 deg
Allowed Delay	30 s

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\t2_tse_fs_sag_CM F 2mm *

TA: 1:22 min Coil Selection: Auto Voxel Size: 0.3×0.3×2.0 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	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	Off
	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	11
Distance Factor	10 %
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	11
Distance Factor	10 %
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
Phase Oversampling	150 %
FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
TR	4740.0 ms
TE	63.00 ms
Averages	2
Concatenations	1
AutoAlign	---

Contrast - Common

TR	4740.0 ms
TE	63.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Weak
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
Base Resolution	160
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	32
Deep Resolve	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	11
Distance Factor	10 %
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	11
Distance Factor	10 %
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
Phase Oversampling	150 %
FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
TR	4740.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	R56.8 A47.5 H5.1
R	56.8 mm
A	47.5 mm
H	5.1 mm
Initial Orientation	S > C
S > C	-25.50
> T	-2.00
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	6 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

Position	R4.9 A48.8 H5.8 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	87 mm

System - Adjust Volume

R >> L	163 mm
F >> H	83 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	4740.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	None
Dark Blood	Off
FOV Read	80 mm
FOV Phase	100.0 %
Phase Resolution	100 %
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	Off

Sequence - Part 1

Sequence Name	tse
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Normal

Sequence - Part 1

Flow Compensation	None
Bandwidth	150 Hz/Px
Echo Spacing	12.5 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	15
Echo Trains per Slice	7

Sequence - Part 2

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

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	130 deg
Allowed Delay	30 s

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\t1_tse_TRA OM *

TA: 17 sec Coil Selection: Auto Voxel Size: 0.3×0.3×3.0 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	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
	1st Segment
Inline Movie	Off

Routine

Slice Group	1
Slices	14
Distance Factor	10 %
Position	R3.0 A53.3 H6.7 mm
Orientation	T > C-2.0 > S1.6
Phase Encoding Dir.	R >> L
Phase Oversampling	10 %
FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	626.0 ms
TE	12.00 ms
Averages	1
Concatenations	1
AutoAlign	---

Contrast - Common

TR	626.0 ms
TE	12.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 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
Multiple Series	Each Measurement

Resolution - Common

FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	304
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	32
Deep Resolve	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	14
Distance Factor	10 %
Position	R3.0 A53.3 H6.7 mm
Orientation	T > C-2.0 > S1.6
Phase Encoding Dir.	R >> L
Phase Oversampling	10 %
FOV Read	190 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	626.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R3.0 A53.3 H6.7 mm
Orientation	T > C-2.0 > S1.6
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	R3.0 A53.3 H6.7
R	3.0 mm
A	53.3 mm
H	6.7 mm
Initial Orientation	T > C
T > C	-2.00

Geometry - AutoAlign

> S	1.60
Initial Rotation	86.55 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	7 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
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	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	626.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	190 mm
FOV Phase	100.0 %
Phase Resolution	80 %
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	Off

Sequence - Part 1

Sequence Name	tse_rs
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Flow Compensation	Slice
Bandwidth	191 Hz/Px
Echo Spacing	11.9 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	23

Sequence - Part 2

Introduction	Off
Phase Correction	Automatic
Compensate T2 Decay	Off
Fast Mode	Off
WARP	Off
Red. EC Sensitivity	Off
Acoustic Noise Reduction	Off

Sequence - Part 2

Reduce Motion Sens.	On
Motion Correction	None

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\pd_tse_sag_OM F 2mm *

TA: 1:01 min Coil Selection: Auto Voxel Size: 0.2×0.2×2.0 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	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	Off
	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	11
Distance Factor	10 %
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	11
Distance Factor	10 %
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
Phase Oversampling	125 %
FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
TR	2910.0 ms
TE	11.00 ms
Averages	2
Concatenations	1
AutoAlign	---

Contrast - Common

TR	2910.0 ms
TE	11.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 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
Multiple Series	Off

Resolution - Common

FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
Base Resolution	176
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	32
Deep Resolve	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	11
Distance Factor	10 %
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	11
Distance Factor	10 %
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
Phase Oversampling	125 %
FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
TR	2910.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	R56.8 A47.5 H5.1
R	56.8 mm
A	47.5 mm
H	5.1 mm
Initial Orientation	S > C
S > C	-25.50
> T	-2.00
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	6 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
CoilShim	Off
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

System - Adjust Volume

R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	2910.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	80 mm
FOV Phase	100.0 %
Phase Resolution	100 %
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	Off

Sequence - Part 1

Sequence Name	tse
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast

Sequence - Part 1

Flow Compensation	None
Bandwidth	161 Hz/Px
Echo Spacing	11.2 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	11
Echo Trains per Slice	9

Sequence - Part 2

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

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	130 deg
Allowed Delay	30 s

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\t2_tse_fs_sag OM F 2mm *

TA: 1:22 min Coil Selection: Auto Voxel Size: 0.3×0.3×2.0 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	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	Off
	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	11
Distance Factor	10 %
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	11
Distance Factor	10 %
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
Phase Oversampling	150 %
FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
TR	4740.0 ms
TE	63.00 ms
Averages	2
Concatenations	1
AutoAlign	---

Contrast - Common

TR	4740.0 ms
TE	63.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Weak
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
Base Resolution	160
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	32
Deep Resolve	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	11
Distance Factor	10 %
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	11
Distance Factor	10 %
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
Phase Oversampling	150 %
FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
TR	4740.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	R56.8 A47.5 H5.1
R	56.8 mm
A	47.5 mm
H	5.1 mm
Initial Orientation	S > C
S > C	-25.50
> T	-2.00
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	6 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

Position	R4.9 A48.8 H5.8 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	87 mm
R >> L	163 mm
F >> H	83 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	4740.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	None
Dark Blood	Off
FOV Read	80 mm
FOV Phase	100.0 %
Phase Resolution	100 %
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	Off

Sequence - Part 1

Sequence Name	tse
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Normal

Sequence - Part 1

Flow Compensation	None
Bandwidth	150 Hz/Px
Echo Spacing	12.5 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	15
Echo Trains per Slice	7

Sequence - Part 2

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

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	130 deg
Allowed Delay	30 s

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\t2_cine_trufi_sag *

TA: 1:15 min Coil Selection: Auto Voxel Size: 0.5×0.5×3.5 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	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	On
Load Images to Graphic Segments	On
	2nd Segment
Inline Movie	On

Routine

Slice Group	1
Slices	1
Distance Factor	0 %
Position	R45.0 A60.6 F9.3 mm
Orientation	S > C-36.9 > T2.1
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	1
Distance Factor	0 %
Position	L62.2 A57.3 F12.7 mm
Orientation	S > C23.9 > T1.1
Phase Encoding Dir.	A >> P
Phase Oversampling	91 %
FOV Read	120 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	570.84 ms
TE	2.13 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	570.84 ms
TE	2.13 ms
TD	0.00 ms
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle	60 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off
Reordering	Linear

Resolution - Common

FOV Read	120 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
Base Resolution	128
Phase Resolution	100 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Phase Partial Fourier	Off
Asymmetric Echo	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	1
Distance Factor	0 %
Position	R45.0 A60.6 F9.3 mm
Orientation	S > C-36.9 > T2.1
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	1
Distance Factor	0 %
Position	L62.2 A57.3 F12.7 mm
Orientation	S > C23.9 > T1.1
Phase Encoding Dir.	A >> P
Phase Oversampling	91 %
FOV Read	120 mm
FOV Phase	100.0 %
Slice Thickness	3.5 mm
TR	570.84 ms
Multi-Slice Mode	Sequential
Series	Descending

Geometry - Common

Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	R45.0 A60.6 F9.3 mm
Orientation	S > C-36.9 > T2.1
Phase Encoding Dir.	A >> P
Slice Group	2
Position	L62.2 A57.3 F12.7 mm
Orientation	S > C23.9 > T1.1
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	R45.0 A60.6 F9.3
R	45.0 mm
A	60.6 mm
F	9.3 mm
Initial Orientation	S > C
S > C	-36.90
> T	2.10
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

Position	L2.5 A57.3 F11.0 mm

System - Adjust Volume

Orientation	Coronal
Rotation	90.00 deg
F >> H	124 mm
R >> L	174 mm
A >> P	113 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	570.84 ms
Segments	134
Concatenations	2
Phases	65

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
Trufi Delta Freq.	0 Hz
FOV Read	120 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Cine	On
Trajectory	Cartesian
Dummy Heartbeats	0

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - Cardiac

Inline Evaluation	Off
Magn. Preparation	None
Save Original Images	On
Contrasts	1
TE	2.13 ms
TR	570.84 ms

Inline - MIP

MIP Sag	Off
MIP Cor	Off

Inline - MIP

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

Sequence - Part 1

Sequence Name	tfi
Dimension	2D
Sequence Type	Trufi
Excitation	Slice-sel.
RF Pulse Type	Normal
Gradient Mode	Fast
Reordering	Linear
Bandwidth	751 Hz/Px
Echo Spacing	4.26 ms
Asymmetric Echo	Off
Optimization	Min. TE TR
Define	Shots
Shots per Slice	1
Segments	134

Sequence - Part 2

Introduction	Off

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	35 deg
Allowed Delay	2 s
Optimization	Min. TE TR

\\BRX\TMJ - UFL & Deep Resolve\Exam\FAST\t1_tse_sag_FS F *

TA: 1:27 min Coil Selection: Auto Voxel Size: 0.4×0.4×2.0 mm³ Acc:: 3 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	On
Load Images to Graphic Segments	Off
	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	11
Distance Factor	10 %
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	11
Distance Factor	10 %
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
Phase Oversampling	120 %
FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
TR	461.0 ms
TE	10.00 ms
Averages	2
Concatenations	3
AutoAlign	---

Contrast - Common

TR	461.0 ms
TE	10.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle 1	150 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None

Contrast - Common

Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
Base Resolution	112
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	32
Deep Resolve	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	11
Distance Factor	10 %
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	11
Distance Factor	10 %
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
Phase Oversampling	120 %
FOV Read	80 mm
FOV Phase	100.0 %
Slice Thickness	2.0 mm
TR	461.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved

Geometry - Common

Concatenations	3

Geometry - AutoAlign

Slice Group	1
Position	R56.8 A47.5 H5.1 mm
Orientation	S > C-25.5 > T-2.0
Phase Encoding Dir.	A >> P
Slice Group	2
Position	L47.6 A50.4 H6.6 mm
Orientation	S > C25.2 > T1.4
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	R56.8 A47.5 H5.1
R	56.8 mm
A	47.5 mm
H	5.1 mm
Initial Orientation	S > C
S > C	-25.50
> T	-2.00
Initial Rotation	0.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	6 mm
Table Position	H
Inline Composing	Off

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

Position	R4.9 A48.8 H5.8 mm

System - Adjust Volume

Orientation	Transversal
Rotation	0.00 deg
A >> P	87 mm
R >> L	163 mm
F >> H	83 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.684615 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	461.0 ms
Concatenations	3

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	None
Dark Blood	Off
FOV Read	80 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	3

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

Sequence - Part 1

Sequence Name	tse

Sequence - Part 1

Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	161 Hz/Px
Echo Spacing	10.2 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	28

Sequence - Part 2

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

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	130 deg
Allowed Delay	30 s