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\\Sola_Fit_Bac

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abdomen_pedi

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\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedilhaste_loc_drb *

TA: 13 sec Coil Selection: Auto Voxel Size: 0.6×0.6×6.0 mm³ Acc:: 2 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	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
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	5
Distance Factor	30 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Slice Group	2
Slices	8
Distance Factor	50 %
Position	R58.9 P15.1 F0.4 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	---
Slice Group	3
Slices	10
Distance Factor	50 %
Position	L1.5 P15.1 H29.5 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Phase Oversampling	40 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
TR	582.0 ms
TE	100.00 ms
Averages	1

Contrast - Common

TR	582.0 ms
TE	100.00 ms
MTC	Off

Contrast - Common

Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle 1	99 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	400 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
Base Resolution	336
Phase Resolution	100 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	2
Reference Lines PE	30
Deep Resolve / ID Gain	On
Phase Partial Fourier	5/8

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	5
Distance Factor	30 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Slice Group	2
Slices	8
Distance Factor	50 %
Position	R58.9 P15.1 F0.4 mm
Orientation	Sagittal

Geometry - Common

Phase Encoding Dir.	A >> P
Slice Group	3
Slices	10
Distance Factor	50 %
Position	L1.5 P15.1 H29.5 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	40 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
TR	582.0 ms
Multi-Slice Mode	Single Shot
Series	Ascending

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg
Slice Group	2
Position	R58.9 P15.1 F0.4 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	---
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	L1.5 P15.1 H29.5 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
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
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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	H >> F
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	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	582.0 ms

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	400 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
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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
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	h
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	1063 Hz/Px
Echo Spacing	2.94 ms
Turbo Factor	336

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

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

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedilhaste_loc_drb *

TA: 13 sec Coil Selection: Auto Voxel Size: 0.6×0.6×6.0 mm³ Acc:: 2 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	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
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Contrast - Common

Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle 1	99 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

Routine

Slice Group	1
Slices	5
Distance Factor	30 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Slice Group	2
Slices	8
Distance Factor	50 %
Position	R58.9 P15.1 F0.4 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	---
Slice Group	3
Slices	10
Distance Factor	50 %
Position	L1.5 P15.1 H29.5 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Phase Oversampling	40 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
TR	582.0 ms
TE	100.00 ms
Averages	1

Resolution - Common

FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
Base Resolution	336
Phase Resolution	100 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	2
Reference Lines PE	30
Deep Resolve / ID Gain	On
Phase Partial Fourier	5/8

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	5
Distance Factor	30 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Slice Group	2
Slices	8
Distance Factor	50 %
Position	R58.9 P15.1 F0.4 mm
Orientation	Sagittal

Contrast - Common

TR	582.0 ms
TE	100.00 ms
MTC	Off

Geometry - Common

Phase Encoding Dir.	A >> P
Slice Group	3
Slices	10
Distance Factor	50 %
Position	L1.5 P15.1 H29.5 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	40 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	6.0 mm
TR	582.0 ms
Multi-Slice Mode	Single Shot
Series	Ascending

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg
Slice Group	2
Position	R58.9 P15.1 F0.4 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	---
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	L1.5 P15.1 H29.5 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
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
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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	H >> F
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	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	582.0 ms

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	400 mm
FOV Phase	100.0 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Breath-hold
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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
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	h
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	1063 Hz/Px
Echo Spacing	2.94 ms
Turbo Factor	336

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

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

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedi\12_haste_cor_DRB_trig *

TA: 2:50 min Coil Selection: Auto Voxel Size: 0.6x0.6x4.0 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	On
Load Images to Graphic Segments	On
Inline Movie	2nd Segment
Before Measurement	Off
After Measurement	

Resolution - Common

FOV Read	350 mm
FOV Phase	87.5 %
Slice Thickness	4.0 mm
Base Resolution	304
Phase Resolution	100 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	30
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8

Resolution - Filter

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

Routine

Slice Group	1
Slices	34
Distance Factor	20 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Phase Oversampling	100 %
FOV Read	350 mm
FOV Phase	87.5 %
Slice Thickness	4.0 mm
TR	485.0 ms
TE	102.00 ms
Averages	1

Geometry - Common

Slice Group	1
Slices	34
Distance Factor	20 %
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	100 %
FOV Read	350 mm
FOV Phase	87.5 %
Slice Thickness	4.0 mm
TR	485.0 ms
Multi-Slice Mode	Single Shot
Series	Interleaved

Contrast - Common

TR	485.0 ms
TE	102.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle 1	110 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off

Geometry - Navigator

Navigator	1
Position	R61.1 P30.5 H51.4 mm
Orientation	Coronal
Rotation	0.00 deg
FOV Phase	32 mm
FOV Read	96 mm
Thickness	10 mm

Geometry - Saturation

Special Saturation	None
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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	H >> F
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	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
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Physio - Signal

TR	485.0 ms
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Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	350 mm
FOV Phase	87.5 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Trigger
Scout Mode	Off
Scout TR	150 ms
Accept Window ±	2.0 mm
Position Accept Window	Automatic
Acquisition Window	1200 ms
Scout Type	Liver Dome Scout
Trigger Pulse	1
Store Profile Images	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
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	h
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	1028 Hz/Px
Echo Spacing	3.28 ms

Sequence - Part 1

Turbo Factor	266
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Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

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

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_ped\lt2_haste_tra_DRB_trig *

TA: 2:40 min Coil Selection: Auto Voxel Size: 0.5×0.5×4.0 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	On
Load Images to Graphic Segments	On
Inline Movie	3rd Segment
Before Measurement	Off
After Measurement	

Resolution - Common

FOV Read	320 mm
FOV Phase	65.8 %
Slice Thickness	4.0 mm
Base Resolution	304
Phase Resolution	100 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	4
Reference Lines PE	30
Deep Resolve / ID Gain	On
Phase Partial Fourier	6/8

Resolution - Filter

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

Routine

Slice Group	1
Slices	32
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Phase Oversampling	70 %
FOV Read	320 mm
FOV Phase	65.8 %
Slice Thickness	4.0 mm
TR	431.0 ms
TE	100.00 ms
Averages	1

Geometry - Common

Slice Group	1
Slices	32
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	70 %
FOV Read	320 mm
FOV Phase	65.8 %
Slice Thickness	4.0 mm
TR	431.0 ms
Multi-Slice Mode	Single Shot
Series	Interleaved

Contrast - Common

TR	431.0 ms
TE	100.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle 1	110 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

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
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

Navigator	1
Position	R61.1 P30.5 H51.4 mm
Orientation	Coronal
Rotation	0.00 deg
FOV Phase	32 mm
FOV Read	96 mm
Thickness	10 mm

Geometry - Saturation

Special Saturation	None
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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	H >> F
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	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
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Physio - Signal

TR	431.0 ms
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Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	65.8 %
Phase Resolution	100 %
Motion Correction	None

Physio - PACE

Resp. Control	Trigger
Scout Mode	Off
Scout TR	150 ms
Accept Window $\pm$	2.0 mm
Position Accept Window	Automatic
Acquisition Window	1200 ms
Scout Type	Liver Dome Scout
Trigger Pulse	1
Store Profile Images	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
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	h
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	715 Hz/Px
Echo Spacing	3.70 ms

Sequence - Part 1

Turbo Factor	200
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Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

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

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedilt1_vibe_dixon_tra_fb *

TA: 1:41 min Coil Selection: Auto Voxel Size: 0.6×0.6×3.0 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	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	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Slices per Slab	52
Phase Oversampling	22 %
Slice Oversampling	38.5 %
FOV Read	250 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	5
Concatenations	1

Contrast - Common

TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip Angle	15 deg
Fat-Water Contrast	Dixon
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1
Multiple Series	Each Measurement

Contrast - Dynamic

3D Reordering	Standard
Time to Center	12.0 s
Burn Time to Center	Off

Resolution - Common

FOV Read	250 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
Base Resolution	224
Phase Resolution	75 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Total Factor	2
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	1
Reference Lines 3D	24
Reordering Shift 3D	0
Deep Resolve / ID Gain	Off
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Weak
Elliptical Scanning	Off

Resolution - Filter

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

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	52
Phase Oversampling	22 %
Slice Oversampling	38.5 %
FOV Read	250 mm

Geometry - Common

FOV Phase	81.3 %
Slice Thickness	3.0 mm
TR	6.64 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
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
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	
Composing Group	4
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	Performance
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	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	204 mm
R >> L	250 mm
F >> H	156 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 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	Off
Save non-normalized	On
Composing Function	Adaptive
Composing Group	4

Inline - Composing

Last Step	Off
Series Description	

Inline - MapIt

MapIt	None
Flip Angle	15 deg
Measurements	1
Contrasts	2
TE 1	2.39 ms
TE 2	4.77 ms
TR	6.64 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Readout Mode	Bipolar
Gradient Mode	Fast
Bandwidth	540 Hz/Px
Asymmetric Echo	Weak
Optimization	Opp/In

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	Opp/In

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedi\t1_vibe-grasp_fs_tra *

TA: 5:29 min Coil Selection: Auto Voxel Size: 1.1×1.1×3.0 mm³ Acc:: None Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	On
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	

Contrast - Dynamic

Duration 2	30 s
Duration 3	181 s
Duration 4	57 s
Temporal Resolution 1	20.1 s
Temporal Resolution 2	7.7 s
Temporal Resolution 3	20.1 s
Temporal Resolution 4	20.1 s
Reconstructed Volumes 1	1
Reconstructed Volumes 2	3
Reconstructed Volumes 3	1
Reconstructed Volumes 4	1
Workflow	Liver
Liver Gating	On
Preview	Off
Reordering	Linear
Auto Bolus Detection	On
Delay After Bolus	5.00

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	R14.5 P8.3 H44.2 mm
Orientation	T > C3.7
Phase Encoding Dir.	A >> P
AutoAlign	---
Slices per Slab	60
Phase Oversampling	0 %
Slice Oversampling	20.0 %
FOV Read	250 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	4.07 ms
TE	2.35 ms
Averages	1
Concatenations	1

Resolution - Common

FOV Read	250 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	224
Slice Resolution	50 %
Trajectory	Radial
Radial Views	2354
Interpolation	Off

Resolution - Acceleration

Acceleration Mode	None
Deep Resolve / ID Gain	Off
Slice Partial Fourier	5/8
Asymmetric Echo	Off
Elliptical Scanning	Off

Contrast - Common

TR	4.07 ms
TE	2.35 ms
Flip Angle	15 deg
Fat-Water Contrast	Fast Fat Saturation
Lines per Shot	25
Contrasts	1
Reconstruction	Magnitude

Resolution - Filter

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

Contrast - Dynamic

Dynamic Mode	GRASP
Reconstruction	Complete and Reduced Series
Phases	4
Duration 1	27 s

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	R14.5 P8.3 H44.2 mm
Orientation	T > C3.7

Geometry - Common

Phase Encoding Dir.	A >> P
Slices per Slab	60
Phase Oversampling	0 %
Slice Oversampling	20.0 %
FOV Read	250 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	4.07 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	R14.5 P8.3 H44.2 mm
Orientation	T > C3.7
Phase Encoding Dir.	A >> P
AutoAlign	---
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 Region	1
Thickness	50.00 mm
Position	R71.5 P173.1 H50.5 mm
Orientation	S > C40.1 > T2.7
Saturation Region	2
Thickness	50.00 mm
Position	R106.9 P209.7 H52.9 mm
Orientation	S > C40.3 > T2.4
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	44 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	H >> F
Coil Combination	Sum of Squares
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	R14.5 P8.3 H44.2 mm
Orientation	T > C3.7
Rotation	0.00 deg
A >> P	250 mm
R >> L	250 mm
F >> H	180 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 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

Inline - Subtraction

Subtract	Off
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

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	15 deg
Contrasts	1
TE	2.35 ms
TR	4.07 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Reordering	Linear
Bandwidth	770 Hz/Px
Asymmetric Echo	Off
Optimization	None

Sequence - Part 2

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

Sequence - Assistant

SAR Assistant	Off
Optimization	None

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedilep2d_diff_zoomit_tra_trig *

TA: 2:32 min Coil Selection: Auto Voxel Size: 1.3×1.3×3.0 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	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	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	44
Distance Factor	20 %
Position	R11.9 P12.0 H44.5 mm
Orientation	T > C3.7
Phase Encoding Dir.	P >> A
AutoAlign	---
Phase Oversampling	0 %
FOV Read	260 mm
FOV Phase	69.2 %
Slice Thickness	3.0 mm
TR	2300.0 ms
TE	60.00 ms
Concatenations	3

Contrast - Common

TR	2300.0 ms
TE	60.00 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	260 mm
FOV Phase	69.2 %
Slice Thickness	3.0 mm

Resolution - Common

Base Resolution	104
Phase Resolution	100 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	18
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	44
Distance Factor	20 %
Position	R11.9 P12.0 H44.5 mm
Orientation	T > C3.7
Phase Encoding Dir.	P >> A
Phase Oversampling	0 %
FOV Read	260 mm
FOV Phase	69.2 %
Slice Thickness	3.0 mm
TR	2300.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	3

Geometry - AutoAlign

Slice Group	1
Position	R11.9 P12.0 H44.5 mm
Orientation	T > C3.7
Phase Encoding Dir.	P >> A
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Orientation	Transversal
Initial Rotation	180.00 deg

Geometry - Navigator

Geometry - Saturation

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	44 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	H >> F
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

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

System - Adjust Volume

Position	R11.9 P12.0 H44.5 mm
Orientation	T > C3.7
Rotation	180.00 deg
A >> P	180 mm
R >> L	260 mm
F >> H	158 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	3.000

Physio - Signal

1st Signal/Mode	Resp./Trigger
Average Cycle	No Signal ms
Captured Cycle	-not set-
Acquisition Window	2860 ms
	ms
Threshold	20 %
Resp. Phase	Expiration
Trigger Delay	0 ms
TR	2300.0 ms
Concatenations	3

Physio - Signal

	Automatic
--	-----------

Physio - PACE

Resp. Control	Off
Concatenations	3

Diff

Diffusion Mode	3D Diagonal
Diff. Directions	1
Diffusion Scheme	Monopolar
Diff. Weightings	2
b-value 1	50 s/mm ²
b-value 2	800 s/mm ²
Averages 1	4
Averages 2	14
Complex Averaging	Off
Dynamic Field Correction	On
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	Off
Tensor	Off
FA Maps	Off
ADC Maps	On
Exponential ADC Maps	Off
b-value >=	0 s/mm ²
ADC Noise Threshold	20
Noise Masking	Off
Calculated b-value	1500 s/mm ²
Calculated Image	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	ezse
Excitation	ZOOMit
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	2290 Hz/Px
Echo Spacing	0.56 ms
Free Echo Spacing	Off
Optimization	None
EPI Factor	72

Sequence - Part 2

Introduction	Off
Phase Correction	External
Ghost Reduction	Off

Sequence - Assistant

SAR Assistant	Off
Optimization	None

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_ped\lt2_space_fs_tra_DRB_trig *

TA: 7:40 min Coil Selection: Auto Voxel Size: 0.5×0.5×0.7 mm³ Acc:: 6 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
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement
Reordering	Linear

Resolution - Common

FOV Read	256 mm
FOV Phase	79.7 %
Slice Thickness	0.68 mm
Base Resolution	256
Phase Resolution	90 %
Slice Resolution	50 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
Total Factor	6
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	3
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Elliptical Scanning	On

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	B1 Filter
Image Filter	Off

Routine

Slab Group	1
Slabs	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Slices per Slab	224
Phase Oversampling	0 %
Slice Oversampling	57.1 %
FOV Read	256 mm
FOV Phase	79.7 %
Slice Thickness	0.68 mm
TR	2000.0 ms
TE	187.00 ms
Averages	1.9
Concatenations	1

Contrast - Common

TR	2000.0 ms
TE	187.00 ms
MTC Mode	Off
Magn. Preparation	None
Flip Angle Mode	T2 Var
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	SPAIR
Fat Saturation	Strong
Dark Blood	Off
Blood Suppression	Off
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Geometry - Common

Slab Group	1
Slabs	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	224
Phase Oversampling	0 %
Slice Oversampling	57.1 %
FOV Read	256 mm
FOV Phase	79.7 %
Slice Thickness	0.68 mm
TR	2000.0 ms
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
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

Navigator	1
Position	R61.1 P30.5 H51.4 mm
Orientation	Coronal
Rotation	0.00 deg
FOV Phase	32 mm
FOV Read	96 mm
Thickness	10 mm

Geometry - Saturation

Special Saturation	Parallel F/H
Gap	20.00 mm
Thickness	80.00 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	
Composing Group	2
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	Standard
CoilShim	Off
Adjustment Tolerance	Auto

System - Adjustments

Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

! Position	R14.6 P15.7 F1.2 mm
! Orientation	T > C4.3
! Rotation	0.00 deg
! A >> P	174 mm
! R >> L	218 mm
! F >> H	191 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	2.000
Gain	High

Physio - Signal

1st Signal/Mode	None
Trigger Delay	0 ms
TR	2000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	SPAIR
Magn. Preparation	None
Dark Blood	Off
FOV Read	256 mm
FOV Phase	79.7 %
Phase Resolution	90 %

Physio - PACE

Resp. Control	Trigger
Scout Mode	Off
Scout TR	150 ms
Accept Window ±	2.0 mm
Position Accept Window	Automatic
Acquisition Window	1400 ms
Scout Type	Liver Dome Scout
Trigger Pulse	1
Concatenations	1
Store Profile Images	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
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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 - Composing

Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Composing Group	2
Last Step	On
Series Description	

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	spcR
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Reordering	Linear
Bandwidth	558 Hz/Px
Echo Spacing	3.50 ms
Turbo Factor	100
Echo Train Duration	357 ms

Sequence - Part 2

Introduction	Off
Incr. Gradient Spoiling	Off

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedi\t1_vibe_dixon_tra_fb_HP *

TA: 1:41 min Coil Selection: Auto Voxel Size: 0.6×0.6×3.0 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	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	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Slices per Slab	52
Phase Oversampling	22 %
Slice Oversampling	38.5 %
FOV Read	250 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	5
Concatenations	1

Contrast - Common

TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip Angle	15 deg
Fat-Water Contrast	Dixon
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1
Multiple Series	Each Measurement

Contrast - Dynamic

3D Reordering	Standard
Time to Center	12.0 s
Burn Time to Center	Off

Resolution - Common

FOV Read	250 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
Base Resolution	224
Phase Resolution	75 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Total Factor	2
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	1
Reference Lines 3D	24
Reordering Shift 3D	0
Deep Resolve / ID Gain	Off
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Weak
Elliptical Scanning	Off

Resolution - Filter

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

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	52
Phase Oversampling	22 %
Slice Oversampling	38.5 %
FOV Read	250 mm

Geometry - Common

FOV Phase	81.3 %
Slice Thickness	3.0 mm
TR	6.64 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
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
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	
Composing Group	4
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	Performance
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	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	204 mm
R >> L	250 mm
F >> H	156 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 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	Off
Save non-normalized	On
Composing Function	Adaptive
Composing Group	4

Inline - Composing

Last Step	Off
Series Description	

Inline - MapIt

MapIt	None
Flip Angle	15 deg
Measurements	1
Contrasts	2
TE 1	2.39 ms
TE 2	4.77 ms
TR	6.64 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Readout Mode	Bipolar
Gradient Mode	Fast
Bandwidth	540 Hz/Px
Asymmetric Echo	Weak
Optimization	Opp/In

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	Opp/In

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedilt1_vibe_dixon_tra_fb_HP_FA *

TA: 1:41 min Coil Selection: Auto Voxel Size: 0.6×0.6×3.0 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	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	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Slices per Slab	52
Phase Oversampling	22 %
Slice Oversampling	38.5 %
FOV Read	250 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	5
Concatenations	1

Contrast - Common

TR	6.64 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip Angle	35 deg
Fat-Water Contrast	Dixon
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1
Multiple Series	Each Measurement

Contrast - Dynamic

3D Reordering	Standard
Time to Center	12.1 s
Burn Time to Center	Off

Resolution - Common

FOV Read	250 mm
FOV Phase	81.3 %
Slice Thickness	3.0 mm
Base Resolution	224
Phase Resolution	75 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Total Factor	2
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	1
Reference Lines 3D	24
Reordering Shift 3D	0
Deep Resolve / ID Gain	Off
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Weak
Elliptical Scanning	Off

Resolution - Filter

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

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	52
Phase Oversampling	22 %
Slice Oversampling	38.5 %
FOV Read	250 mm

Geometry - Common

FOV Phase	81.3 %
Slice Thickness	3.0 mm
TR	6.64 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
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
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	
Composing Group	4
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	Performance
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	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	204 mm
R >> L	250 mm
F >> H	156 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 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	Off
Save non-normalized	On
Composing Function	Adaptive
Composing Group	4

Inline - Composing

Last Step	Off
Series Description	

Inline - MapIt

MapIt	None
Flip Angle	35 deg
Measurements	1
Contrasts	2
TE 1	2.39 ms
TE 2	4.77 ms
TR	6.64 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Readout Mode	Bipolar
Gradient Mode	Fast
Bandwidth	540 Hz/Px
Asymmetric Echo	Weak
Optimization	Opp/In

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	Opp/In

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedilt1_vibe-grasp_fs_cor *

TA: 4:59 min Coil Selection: Auto Voxel Size: 1.1×1.1×3.0 mm³ Acc:: None Rel. SNR: 1.00**Properties**

Start measurement without further preparation	Off
Wait for User to Start	On
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	

Contrast - Dynamic

Duration 3	181 s
Duration 4	57 s
Temporal Resolution 1	22.1 s
Temporal Resolution 2	13.7 s
Temporal Resolution 3	13.7 s
Temporal Resolution 4	13.7 s
Reconstructed Volumes 1	1
Reconstructed Volumes 2	2
Reconstructed Volumes 3	13
Reconstructed Volumes 4	1
Workflow	Liver
Liver Gating	On
Preview	Off
Reordering	Linear
Auto Bolus Detection	Off
Delay After Bolus	5.00

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L20.2 P48.9 H53.5 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Slices per Slab	60
Phase Oversampling	0 %
Slice Oversampling	20.0 %
FOV Read	340 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	4.00 ms
TE	2.35 ms
Averages	1
Concatenations	1

Resolution - Common

FOV Read	340 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	320
Slice Resolution	50 %
Trajectory	Radial
Radial Views	1941
Interpolation	Off

Resolution - Acceleration

Acceleration Mode	None
Deep Resolve / ID Gain	Off
Slice Partial Fourier	6/8
Asymmetric Echo	Off
Elliptical Scanning	Off

Resolution - Filter

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

Contrast - Common

TR	4.00 ms
TE	2.35 ms
Flip Angle	15 deg
Fat-Water Contrast	Fast Fat Saturation
Lines per Shot	29
Contrasts	1
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	GRASP
Reconstruction	Complete Series
Phases	4
Duration 1	27 s
Duration 2	30 s

Geometry - Common

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	L20.2 P48.9 H53.5 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L

Geometry - Common

Slices per Slab	60
Phase Oversampling	0 %
Slice Oversampling	20.0 %
FOV Read	340 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	4.00 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	L20.2 P48.9 H53.5 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
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 Region	1
Thickness	50.00 mm
Position	R139.1 P59.2 F7.1 mm
Orientation	S > T4.0 > C-0.2
Saturation Region	2
Thickness	50.00 mm
Position	L173.5 P57.7 F48.8 mm
Orientation	S > T-3.5 > C0.1
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	54 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	H >> F
Coil Combination	Sum of Squares
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard

System - Adjustments

CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L20.2 P48.9 H53.5 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	340 mm
F >> H	340 mm
A >> P	180 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 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

Inline - Subtraction

Subtract	Off
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

Inline - Composing

Inline Composing	Off
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Inline - MapIt

MapIt	None
Flip Angle	15 deg
Contrasts	1
TE	2.35 ms
TR	4.00 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Reordering	Linear
Bandwidth	870 Hz/Px
Asymmetric Echo	Off
Optimization	None

Sequence - Part 2

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

Sequence - Assistant

SAR Assistant	Off
Optimization	None

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedilt1_vibe_dixon_tra_DRB_fb *

TA: 2:48 min Coil Selection: Auto Voxel Size: 0.4x0.4x2.5 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	Off
	Default
Inline Movie	Off
Before Measurement	
After Measurement	

Routine

Slab Group	1
Slabs	1
Distance Factor	20 %
Position	R10.0 P53.6 H9.5 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Slices per Slab	88
Phase Oversampling	15 %
Slice Oversampling	36.4 %
FOV Read	250 mm
FOV Phase	81.3 %
Slice Thickness	2.5 mm
TR	6.83 ms
TE 1	2.39 ms
TE 2	4.77 ms
Averages	3
Concatenations	1

Contrast - Common

TR	6.83 ms
TE 1	2.39 ms
TE 2	4.77 ms
Flip Angle	15 deg
Fat-Water Contrast	Dixon
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Temporal Interpolation	1
Measurements	1
Multiple Series	Each Measurement

Contrast - Dynamic

3D Reordering	Standard
Time to Center	30.0 s
Burn Time to Center	Off

Resolution - Common

FOV Read	250 mm
FOV Phase	81.3 %
Slice Thickness	2.5 mm
Base Resolution	288
Phase Resolution	100 %
Slice Resolution	50 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Total Factor	2
Reference Scans	GRE/Separate
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	1
Reference Lines 3D	24
Reordering Shift 3D	0
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Asymmetric Echo	Weak
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	R10.0 P53.6 H9.5 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	88
Phase Oversampling	15 %
Slice Oversampling	36.4 %
FOV Read	250 mm

Geometry - Common

FOV Phase	81.3 %
Slice Thickness	2.5 mm
TR	6.83 ms
Series	Ascending
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	R10.0 P53.6 H9.5 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
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
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	10 mm
Table Position	H
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	
Composing Group	4
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	Standard
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

! Position	R10.0 P53.6 H9.5 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	156 mm
! R >> L	223 mm
! F >> H	228 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 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	Off
Save non-normalized	On
Composing Function	Adaptive
Composing Group	4

Inline - Composing

Last Step	Off
Series Description	

Inline - MapIt

MapIt	None
Flip Angle	15 deg
Measurements	1
Contrasts	2
TE 1	2.39 ms
TE 2	4.77 ms
TR	6.83 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	fl
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Readout Mode	Bipolar
Gradient Mode	Fast
Bandwidth	540 Hz/Px
Asymmetric Echo	Weak
Optimization	Opp/In

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	Opp/In

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedilt2_space_fs_cor_DRB_trig *

TA: 8:45 min Coil Selection: Auto Voxel Size: 0.5×0.5×0.5 mm³ Acc:: 6 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
	3rd Segment
Inline Movie	Off
Before Measurement	
After Measurement	

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement
Reordering	Linear

Resolution - Common

FOV Read	320 mm
FOV Phase	80.0 %
Slice Thickness	0.50 mm
Base Resolution	320
Phase Resolution	90 %
Slice Resolution	50 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
Total Factor	6
Reference Scans	Integrated
Acceleration Factor PE	2
Reference Lines PE	24
Acceleration Factor 3D	3
Reference Lines 3D	24
Reordering Shift 3D	1
Deep Resolve / ID Gain	On
Phase Partial Fourier	Off
Slice Partial Fourier	Off
Elliptical Scanning	On

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	2D
Normalize	B1 Filter
Image Filter	Off

Routine

Slab Group	1
Slabs	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Slices per Slab	320
Phase Oversampling	20 %
Slice Oversampling	20.0 %
FOV Read	320 mm
FOV Phase	80.0 %
Slice Thickness	0.50 mm
TR	2000.0 ms
TE	186.00 ms
Averages	1.4
Concatenations	1

Contrast - Common

TR	2000.0 ms
TE	186.00 ms
MTC Mode	Off
Magn. Preparation	None
Flip Angle Mode	T2 Var
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	SPAIR
Fat Saturation	Strong
Dark Blood	Off
Blood Suppression	Off
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Geometry - Common

Slab Group	1
Slabs	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
Slices per Slab	320
Phase Oversampling	20 %
Slice Oversampling	20.0 %
FOV Read	320 mm
FOV Phase	80.0 %
Slice Thickness	0.50 mm
TR	2000.0 ms
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	Isocenter
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
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

Navigator	1
Position	R61.1 P30.5 H69.4 mm
Orientation	Coronal
Rotation	0.00 deg
FOV Phase	32 mm
FOV Read	96 mm
Thickness	10 mm

Geometry - Saturation

Special Saturation	Parallel A/P
Gap	20.00 mm
Thickness	80.00 mm

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	
Composing Group	2
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	Standard
CoilShim	Off
Adjustment Tolerance	Auto

System - Adjustments

Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Coronal
Rotation	0.00 deg
R >> L	256 mm
F >> H	320 mm
A >> P	160 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	2.000
Gain	High

Physio - Signal

1st Signal/Mode	None
Trigger Delay	0 ms
TR	2000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	SPAIR
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	80.0 %
Phase Resolution	90 %

Physio - PACE

Resp. Control	Trigger
Scout Mode	Off
Scout TR	150 ms
Accept Window $\pm$	2.0 mm
Position Accept Window	Automatic
Acquisition Window	1400 ms
Scout Type	Liver Dome Scout
Trigger Pulse	1
Concatenations	1
Store Profile Images	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
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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 - Composing

Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Composing Group	2
Last Step	On
Series Description	

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	spcR
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Reordering	Linear
Bandwidth	558 Hz/Px
Echo Spacing	3.64 ms
Turbo Factor	100
Echo Train Duration	371 ms

Sequence - Part 2

Introduction	Off
Incr. Gradient Spoiling	Off

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedit2_space_cor_DRB_MRCP *

TA: 2:40 min Coil Selection: Auto Voxel Size: 0.5×0.5×0.6 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	

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Off
Reordering	Linear

Resolution - Common

FOV Read	270 mm
FOV Phase	95.3 %
Slice Thickness	0.55 mm
Base Resolution	256
Phase Resolution	95 %
Slice Resolution	52 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
Total Factor	4
Reference Scans	Integrated
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	Allowed
Slice Partial Fourier	Off
Elliptical Scanning	Off

Routine

Slab Group	1
Slabs	1
Position	R9.6 P27.5 F28.1 mm
Orientation	C > S-30.4 > T-2.7
Phase Encoding Dir.	H >> F
AutoAlign	---
Slices per Slab	104
Phase Oversampling	80 %
Slice Oversampling	23.1 %
FOV Read	270 mm
FOV Phase	95.3 %
Slice Thickness	0.55 mm
TR	2000.0 ms
TE	453.00 ms
Averages	1.0
Concatenations	1

Resolution - Filter

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

Contrast - Common

TR	2000.0 ms
TE	453.00 ms
MTC Mode	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle 1	120 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Dark Blood	Off
Blood Suppression	Off
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Geometry - Common

Slab Group	1
Slabs	1
Position	R9.6 P27.5 F28.1 mm
Orientation	C > S-30.4 > T-2.7
Phase Encoding Dir.	H >> F
Slices per Slab	104
Phase Oversampling	80 %
Slice Oversampling	23.1 %
FOV Read	270 mm
FOV Phase	95.3 %
Slice Thickness	0.55 mm
TR	2000.0 ms
Concatenations	1

Geometry - AutoAlign

Slab Group	1
Position	R9.6 P27.5 F28.1 mm
Orientation	C > S-30.4 > T-2.7
Phase Encoding Dir.	H >> F
AutoAlign	---
Initial Position	L0.0 P0.0 F10.0
L	0.0 mm
P	0.0 mm
F	10.0 mm
Initial Orientation	Coronal
Initial Rotation	-90.00 deg

Geometry - Navigator

Navigator	1
Position	R54.0 P35.4 H83.0 mm
Orientation	Coronal
Rotation	0.00 deg
FOV Phase	16 mm
FOV Read	96 mm
Thickness	10 mm

Geometry - Saturation

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	28 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	Abdomen
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	R9.6 P27.5 F28.1 mm
Orientation	C > S-30.4 > T-2.7
Rotation	-90.00 deg

System - Adjust Volume

F >> H	258 mm
R >> L	270 mm
A >> P	58 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000
Gain	High

Physio - Signal

1st Signal/Mode	None
Trigger Delay	0 ms
TR	2000.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	None
Dark Blood	Off
FOV Read	270 mm
FOV Phase	95.3 %
Phase Resolution	95 %

Physio - PACE

Resp. Control	Trigger
Scout Mode	Off
Scout TR	150 ms
Position Trigger Level	Automatic
Minimum Trigger Level	20 %
Acquisition Window	1400 ms
Scout Type	Liver Dome Scout
Trigger Pulse	1
Concatenations	1
Store Profile Images	Off

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

MIP Sag	Off
MIP Cor	On
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
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	spcR
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Reordering	Linear
Bandwidth	698 Hz/Px
Echo Spacing	3.86 ms
Turbo Factor	235
Echo Train Duration	830 ms

Sequence - Part 2

Introduction	Off
Incr. Gradient Spoiling	On

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	30 s

\\Sola_Fit_Bac\EXPORT\Abdomen\abdomen_pedilt2_haste_fs_cor_thicks_DRB_bh *

TA: 5 sec Coil Selection: Auto Voxel Size: 0.5×0.5×40.0 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
Before Measurement	
After Measurement	

Routine

Slice Group	1
Slices	1
Distance Factor	50 %
Position	L7.7 P24.4 F43.8 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Phase Oversampling	60 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	40.0 mm
TR	5000.0 ms
TE	698.00 ms
Averages	1
Concatenations	1

Contrast - Common

TR	5000.0 ms
TE	698.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle 1	180 deg
Flip Angle 2	90 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
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Contrast - Dynamic

Measurements	1
Multiple Series	Off

Resolution - Common

FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	40.0 mm
Base Resolution	352
Phase Resolution	100 %
Interpolation	2.00

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	64
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	1
Distance Factor	50 %
Position	L7.7 P24.4 F43.8 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	60 %
FOV Read	320 mm
FOV Phase	100.0 %
Slice Thickness	40.0 mm
TR	5000.0 ms
Multi-Slice Mode	Single Shot
Series	Interl. in B.-h.
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L7.7 P24.4 F43.8 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P0.0 F10.0
L	0.0 mm

Geometry - AutoAlign

P	0.0 mm
F	10.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Special Saturation	None
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Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	44 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	Absolute
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L7.7 P24.4 F43.8 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	320 mm
F >> H	320 mm
A >> P	40 mm
Reset	Off

System - Tx/Rx

Frequency 1H	63.658376 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	5000.0 ms

Physio - Signal

Concatenations	1
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Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	None
Dark Blood	Off
FOV Read	320 mm
FOV Phase	100.0 %
Phase Resolution	100 %
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
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	hR
Dimension	2D
RF Pulse Type	Fast
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	134 Hz/Px
Echo Spacing	9.70 ms
Turbo Factor	352

Sequence - Part 2

Introduction	Off
Motion Correction	None

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	160 deg
Allowed Delay	30 s