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\\USER

Lower Extremities

Long Bone

Long Bone Infection XA60

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\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\localizer -Long Bones *

TA: 8 sec Coil Selection: Auto Voxel Size: 0.8×0.8×8.0 mm³ Acc:: 2 Rel. SNR: 1.00 | Substep: 1/2**Properties**

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

Routine

Slice Group	1
Slices	3
Distance Factor	50 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	3
Distance Factor	50 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	15.0 ms
TE	5.00 ms
Averages	1
Concatenations	6
AutoAlign	---

Contrast - Common

TR	15.0 ms
TE	5.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle	40 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
Base Resolution	256
Phase Resolution	50 %
Interpolation	On

Resolution - Acceleration

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

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	3
Distance Factor	50 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	3
Distance Factor	50 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	15.0 ms
Multi-Slice Mode	Sequential
Series	Interleaved
Concatenations	6

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	2
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

Saturation Mode	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	0 mm
Table Position	H
Disable Voice Commands	Off
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
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System - Adjust Volume

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	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	15.0 ms
Segments	1
Concatenations	6

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	400 mm
FOV Phase	100.0 %
Phase Resolution	50 %

Physio - PACE

Resp. Control	Off
Concatenations	6

Inline - Liver

Liver Registration	Off
Save Original Images	On

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

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

Inline - Soft Tissue

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

Inline - Composing

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

Inline - MapIt

MapIt	None
Flip Angle	40 deg
Measurements	1
Contrasts	1
TE	5.00 ms
TR	15.0 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	fl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Fast
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	180 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On
Acoustic noise reduction	Off

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	0 s

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\localizer -Long Bones *

TA: 8 sec Coil Selection: Auto Voxel Size: 0.8×0.8×8.0 mm³ Acc:: 2 Rel. SNR: 1.00 | Substep: 2/2**Properties**

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

Routine

Slice Group	1
Slices	3
Distance Factor	50 %
Position	L0.0 P0.0 H44.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	3
Distance Factor	50 %
Position	L0.0 P0.0 H44.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	15.0 ms
TE	5.00 ms
Averages	1
Concatenations	6
AutoAlign	---

Contrast - Common

TR	15.0 ms
TE	5.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle	40 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
SWI	Off
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
Base Resolution	256
Phase Resolution	50 %
Interpolation	On

Resolution - Acceleration

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

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	3
Distance Factor	50 %
Position	L0.0 P0.0 H44.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	2
Slices	3
Distance Factor	50 %
Position	L0.0 P0.0 H44.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	400 mm
FOV Phase	100.0 %
Slice Thickness	8.0 mm
TR	15.0 ms
Multi-Slice Mode	Sequential
Series	Interleaved
Concatenations	6

Geometry - AutoAlign

Slice Group	1
Position	L0.0 P0.0 H44.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slice Group	2
Position	L0.0 P0.0 H44.0 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
F	0.0 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Mode	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	230 mm
Table Position	F
Disable Voice Commands	Off
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Tune up
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
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System - Adjust Volume

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	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	15.0 ms
Segments	1
Concatenations	6

Physio - Cardiac

Tagging	None
Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	400 mm
FOV Phase	100.0 %
Phase Resolution	50 %

Physio - PACE

Resp. Control	Off
Concatenations	6

Inline - Liver

Liver Registration	Off
Save Original Images	On

Inline - Subtraction

Subtract	Off
Measurements	1
StdDev	Off
Save Original Images	On

Inline - MIP

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

Inline - Soft Tissue

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

Inline - Composing

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

Inline - MapIt

MapIt	None
Flip Angle	40 deg
Measurements	1
Contrasts	1
TE	5.00 ms
TR	15.0 ms
Save Original Images	On

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	fl
Dimension	2D
Excitation	Slice-sel.
RF Pulse Type	Fast
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	180 Hz/Px
Asymmetric Echo	Off
Segments	1

Sequence - Part 2

Introduction	On
RF Spoiling	On
Acoustic noise reduction	Off

Sequence - Assistant

SAR Assistant	Off
Allowed Delay	0 s

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\STIR_COR_drb *

TA: 1:46 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 1/2**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	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	33
Distance Factor	0 %
Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	3270.0 ms
TE	74.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	3270.0 ms
TE	74.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	220 ms
Freeze Suppr. Tissue	Off
Flip Angle Mode	Constant
Flip Angle	135 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Each Measurement
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Resolution - Common

FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	352
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	4
Reference Lines PE	26
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	33
Distance Factor	0 %
Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	3270.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P20.0 H250.0
L	0.0 mm
P	20.0 mm

Geometry - AutoAlign

H	250.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	80.00 mm
Position	Isocenter
Orientation	Transversal
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	250 mm
Table Position	H
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	300 mm
F >> H	300 mm
A >> P	99 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3270.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	220 ms
Dark Blood	Off
FOV Read	300 mm
FOV Phase	100.0 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

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

Inline - MIP

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

Inline - Composing

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

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tir
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Sequence - Part 1

Dimension	2D
RF Pulse Type	Low SAR
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	203 Hz/Px
Echo Spacing	10.6 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	13
Echo Trains per Slice	15

Sequence - Part 2

Introduction	On
Phase Correction	Off
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	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	4300.0 ms
Allowed Delay	30 s

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\STIR_COR_drb *

TA: 1:46 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.0 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 2/2**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	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	33
Distance Factor	0 %
Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	3270.0 ms
TE	74.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	3270.0 ms
TE	74.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	Slice-sel. IR
TI	220 ms
Freeze Suppr. Tissue	Off
Flip Angle Mode	Constant
Flip Angle	135 deg
Fat-Water Contrast	Standard
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Contrast - Dynamic

Multiple Series	Each Measurement
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Resolution - Common

FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
Base Resolution	352
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	4
Reference Lines PE	26
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	33
Distance Factor	0 %
Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	150 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	3.0 mm
TR	3270.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P20.0 H250.0
L	0.0 mm
P	20.0 mm

Geometry - AutoAlign

H	250.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	80.00 mm
Position	L0.0 P0.0 H250.0 mm
Orientation	Transversal
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	0 mm
Table Position	H
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	300 mm
F >> H	300 mm
A >> P	99 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3270.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	Slice-sel. IR
TI	220 ms
Dark Blood	Off
FOV Read	300 mm
FOV Phase	100.0 %
Phase Resolution	80 %
Motion Correction	None

Physio - PACE

Resp. Control	Off
Concatenations	2

Inline - Subtraction

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

Inline - MIP

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

Inline - Composing

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

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tir
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Sequence - Part 1

Dimension	2D
RF Pulse Type	Low SAR
Gradient Mode	Normal
Flow Compensation	None
Bandwidth	203 Hz/Px
Echo Spacing	10.6 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	13
Echo Trains per Slice	15

Sequence - Part 2

Introduction	On
Phase Correction	Off
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	Flip Angle > TR
Min Flip Angle	130 deg
Max. TR	4300.0 ms
Allowed Delay	30 s

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\T1_COR_2.5mm_drb *

TA: 1:37 min Coil Selection: Auto Voxel Size: 0.3×0.3×2.5 mm³ Acc:: 6 Rel. SNR: 1.00 | Substep: 1/2

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	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	30
Distance Factor	5 %
Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	200 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
TR	650.0 ms
TE	9.70 ms
Averages	1
Concatenations	1
AutoAlign	---

Contrast - Common

TR	650.0 ms
TE	9.70 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle	135 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	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
Base Resolution	464
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	SMS
SMS Averaging	Off
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	64
SMS Factor	2
FOV Shift Factor	2
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	30
Distance Factor	5 %
Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	200 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
TR	650.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P20.0 H250.0
L	0.0 mm
P	20.0 mm

Geometry - AutoAlign

H	250.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	80.00 mm
Position	Isocenter
Orientation	Transversal
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	250 mm
Table Position	H
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	300 mm
F >> H	300 mm
A >> P	79 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	650.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	300 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	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None
-----------	------

Sequence - Part 1

Sequence Name	tse
Dimension	2D

Sequence - Part 1

RF Pulse Type	Low SAR
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	263 Hz/Px
Echo Spacing	9.66 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	124

Sequence - Part 2

Introduction	On
Phase Correction	Off
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	Flip Angle > TR
Min Flip Angle	125 deg
Max. TR	750.0 ms
Allowed Delay	30 s

\\USER\\Lower Extremities\\Long Bone\\Long Bone Infection XA60\\T1_COR_2.5mm_drb *

TA: 1:37 min Coil Selection: Auto Voxel Size: 0.3×0.3×2.5 mm³ Acc:: 6 Rel. SNR: 1.00 | Substep: 2/2**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	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	30
Distance Factor	5 %
Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	200 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
TR	650.0 ms
TE	9.70 ms
Averages	1
Concatenations	1
AutoAlign	---

Contrast - Common

TR	650.0 ms
TE	9.70 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle	135 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	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
Base Resolution	464
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	SMS
SMS Averaging	Off
Reference Scans	TSE/Separate
Acceleration Factor PE	3
Reference Lines PE	64
SMS Factor	2
FOV Shift Factor	2
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	30
Distance Factor	5 %
Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	200 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
TR	650.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P20.0 H250.0
L	0.0 mm
P	20.0 mm

Geometry - AutoAlign

H	250.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	80.00 mm
Position	L0.0 P0.0 H250.0 mm
Orientation	Transversal
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	0 mm
Table Position	H
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	300 mm
F >> H	300 mm
A >> P	79 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	650.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Standard
Magn. Preparation	None
Dark Blood	Off
FOV Read	300 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	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None
-----------	------

Sequence - Part 1

Sequence Name	tse
Dimension	2D

Sequence - Part 1

RF Pulse Type	Low SAR
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	263 Hz/Px
Echo Spacing	9.66 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	124

Sequence - Part 2

Introduction	On
Phase Correction	Off
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	Flip Angle > TR
Min Flip Angle	125 deg
Max. TR	750.0 ms
Allowed Delay	30 s

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\T2_tse_fs_tra *

TA: 1:53 min Coil Selection: Auto Voxel Size: 0.3×0.3×4.0 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	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
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	32
Distance Factor	20 %
Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	81.3 %
Slice Thickness	4.0 mm
TR	3560.0 ms
TE	63.00 ms
Averages	1
Concatenations	1
AutoAlign	---

Contrast - Common

TR	3560.0 ms
TE	63.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle	130 deg
Fat-Water Contrast	Dixon
Fat Saturation	Weak
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	Restore
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Resolution - Common

FOV Read	180 mm
FOV Phase	81.3 %
Slice Thickness	4.0 mm
Base Resolution	320
Phase Resolution	80 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	SMS
SMS Averaging	Off
Reference Scans	TSE/Separate
Acceleration Factor PE	1
Reference Lines PE	64
SMS Factor	2
FOV Shift Factor	2
Deep Resolve	Off
Phase Partial Fourier	Off
Asymmetric Echo	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	32
Distance Factor	20 %
Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	81.3 %
Slice Thickness	4.0 mm
TR	3560.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice Group	1
Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L74.7 P59.2 H47.2

Geometry - AutoAlign

L	74.7 mm
P	59.2 mm
H	47.2 mm
Initial Orientation	T > S
T > S	-1.90
> C	0.00
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	47 mm
Table Position	H
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	
Composing Group	1
Last Step	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Rotation	0.00 deg
A >> P	147 mm
R >> L	180 mm
F >> H	153 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	3560.0 ms
Concatenations	1

Physio - Cardiac

Fat-Water Contrast	Dixon
Magn. Preparation	None
Dark Blood	Off
FOV Read	180 mm
FOV Phase	81.3 %
Phase Resolution	80 %
Trajectory	Cartesian

Physio - PACE

Resp. Control	Off
Concatenations	1

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 - Composing

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

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tseR
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Sequence - Part 1

RF Pulse Type	Low SAR
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	220 Hz/Px
Echo Spacing	12.68 ms
Asymmetric Echo	Off
Define	Turbo Factor
Turbo Factor	15
Echo Trains per Slice	14

Sequence - Part 2

Introduction	On
Phase Correction	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	Off

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	125 deg
Allowed Delay	30 s

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\T1_tse_fs_tra *

TA: 3:02 min Coil Selection: Auto Voxel Size: 0.3×0.3×4.0 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	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
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	32
Distance Factor	20 %
Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	82.4 %
Slice Thickness	4.0 mm
TR	550.0 ms
TE	13.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	550.0 ms
TE	13.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle	130 deg
Fat-Water Contrast	Dixon
Fat Saturation	Weak
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	180 mm
FOV Phase	82.4 %
Slice Thickness	4.0 mm
Base Resolution	352
Phase Resolution	80 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	SMS
SMS Averaging	Off
Reference Scans	TSE/Separate
Acceleration Factor PE	1
Reference Lines PE	64
SMS Factor	2
FOV Shift Factor	2
Deep Resolve	Off
Phase Partial Fourier	Off
Asymmetric Echo	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	32
Distance Factor	20 %
Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	82.4 %
Slice Thickness	4.0 mm
TR	550.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L74.7 P59.2 H47.2

Geometry - AutoAlign

L	74.7 mm
P	59.2 mm
H	47.2 mm
Initial Orientation	T > S
T > S	-1.90
> C	0.00
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	47 mm
Table Position	H
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	
Composing Group	1
Last Step	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Rotation	0.00 deg
A >> P	149 mm
R >> L	180 mm
F >> H	153 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	550.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Dixon
Magn. Preparation	None
Dark Blood	Off
FOV Read	180 mm
FOV Phase	82.4 %
Phase Resolution	80 %
Trajectory	Cartesian

Physio - PACE

Resp. Control	Off
Concatenations	2

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 - Composing

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

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tse
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Sequence - Part 1

RF Pulse Type	Low SAR
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	219 Hz/Px
Echo Spacing	12.88 ms
Asymmetric Echo	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	78

Sequence - Part 2

Introduction	On
Phase Correction	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	Off

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	125 deg
Allowed Delay	30 s

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\resolve_4scan_trace_Tra_p2_160 *

TA: 5:30 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	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Resolution - Common

FOV Phase	50.0 %
Slice Thickness	3.0 mm
Base Resolution	160
Phase Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Accel. Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	60
Phase Partial Fourier	Off
Readout Partial Fourier	6/8
Readout Segments	7

Routine

Slice Group	1
Slices	17
Distance Factor	10 %
Position	L98.2 P57.4 H35.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	50 %
FOV Read	200 mm
FOV Phase	50.0 %
Slice Thickness	3.0 mm
TR	3730.0 ms
TE 1	52 ms
TE 2	80 ms
Concatenations	1
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	17
Distance Factor	10 %
Position	L98.2 P57.4 H35.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	50 %
FOV Read	200 mm
FOV Phase	50.0 %
Slice Thickness	3.0 mm
TR	3730.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Contrast - Common

TR	3730.0 ms
TE 1	52 ms
TE 2	80 ms
MTC	Off
Magn. Preparation	None
Flip Angle	180 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Resolution - Common

FOV Read	200 mm
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Geometry - AutoAlign

Slice Group	1
Position	L98.2 P57.4 H35.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L98.2 P57.4 H35.8
L	98.2 mm
P	57.4 mm
H	35.8 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Region	1
Thickness	80.00 mm
Position	L127.9 P143.3 F5.1 mm
Orientation	C > T-2.6 > S0.2
Saturation Region	2
Thickness	80.00 mm
Position	L127.9 P143.3 F5.1 mm
Orientation	C > T-2.6 > S0.2
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	36 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	Advanced
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L98.2 P57.4 H35.8 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	100 mm
R >> L	200 mm
F >> H	56 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 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	3730.0 ms
Concatenations	1

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	2
Averages 2	15
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	10
Noise Masking	Off
Calculated Image	Off

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	resolve
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	781 Hz/Px
Echo Spacing	0.34 ms
Optimization	Min. TE
EPI Factor	60

Sequence - Part 2

Introduction	On
Reacquisition Mode	Off

Sequence - Assistant

SAR Assistant	Off
Optimization	Min. TE

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\resolve_4scan_trace_sag_p2_160 *

TA: 4:33 min Coil Selection: Auto Voxel Size: 1.4x1.4x3.0 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	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
Graphic segment	Default
Inline Movie	Off

Resolution - Common

FOV Phase	40.0 %
Slice Thickness	3.0 mm
Base Resolution	160
Phase Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Accel. Mode	GRAPPA
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	48
Phase Partial Fourier	Off
Readout Partial Fourier	6/8
Readout Segments	7

Routine

Slice Group	1
Slices	13
Distance Factor	10 %
Position	L98.2 P57.4 H35.8 mm
Orientation	S > T1.8 > C-0.3
Phase Encoding Dir.	A >> P
Phase Oversampling	50 %
FOV Read	220 mm
FOV Phase	40.0 %
Slice Thickness	3.0 mm
TR	2770.0 ms
TE 1	49 ms
TE 2	73 ms
Concatenations	1
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	13
Distance Factor	10 %
Position	L98.2 P57.4 H35.8 mm
Orientation	S > T1.8 > C-0.3
Phase Encoding Dir.	A >> P
Phase Oversampling	50 %
FOV Read	220 mm
FOV Phase	40.0 %
Slice Thickness	3.0 mm
TR	2770.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	1

Contrast - Common

TR	2770.0 ms
TE 1	49 ms
TE 2	73 ms
MTC	Off
Magn. Preparation	None
Flip Angle	180 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Contrasts	2
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1

Resolution - Common

FOV Read	220 mm
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Geometry - AutoAlign

Slice Group	1
Position	L98.2 P57.4 H35.8 mm
Orientation	S > T1.8 > C-0.3
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L98.2 P57.4 H35.8
L	98.2 mm
P	57.4 mm
H	35.8 mm
Initial Orientation	S > T
S > T	1.80
> C	-0.30

Geometry - AutoAlign

Initial Rotation	-0.99 deg
------------------	-----------

Geometry - Saturation

Saturation Region	1
Thickness	80.00 mm
Position	L127.9 P143.3 F5.1 mm
Orientation	C > T-2.6 > S0.2
Saturation Region	2
Thickness	80.00 mm
Position	L127.9 P143.3 F5.1 mm
Orientation	C > T-2.6 > S0.2
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	36 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	Advanced
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L98.2 P57.4 H35.8 mm
Orientation	S > T1.8 > C-0.3
Rotation	-0.99 deg
A >> P	88 mm
F >> H	220 mm
R >> L	43 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	2770.0 ms
Concatenations	1

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	3
Averages 2	16
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	10
Noise Masking	Off
Calculated Image	Off

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	resolve
Dimension	2D
RF Pulse Type	Normal
Gradient Mode	Fast
Bandwidth	781 Hz/Px
Echo Spacing	0.34 ms
Optimization	Min. TE
EPI Factor	48

Sequence - Part 2

Introduction	On
Reacquisition Mode	Off

Sequence - Assistant

SAR Assistant	Off
Optimization	Min. TE

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\T1_FS_COR_2.5mm_drb_Gd *

TA: 1:57 min Coil Selection: Auto Voxel Size: 0.4×0.4×2.5 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 1/2**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	Off
Graphic segment	Default
Inline Movie	Off

Resolution - Common

FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
Base Resolution	384
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	4
Reference Lines PE	27
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	30
Distance Factor	5 %
Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	120 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
TR	600.0 ms
TE	9.90 ms
Averages	1
Concatenations	3
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	5 %
Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	120 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
TR	600.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	3

Contrast - Common

TR	600.0 ms
TE	9.90 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle	135 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P20.0 H250.0
L	0.0 mm
P	20.0 mm
H	250.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	80.00 mm
Position	Isocenter
Orientation	Transversal
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	250 mm
Table Position	H
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 P20.0 H250.0 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	300 mm
F >> H	300 mm
A >> P	79 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off

System - Tx/Rx

Image Scaling	1.000
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Physio - Signal

1st Signal/Mode	None
TR	600.0 ms
Concatenations	3

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	None
Dark Blood	Off
FOV Read	300 mm
FOV Phase	100.0 %
Phase Resolution	80 %
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	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None
-----------	------

Sequence - Part 1

Sequence Name	tse_rr
Dimension	2D
RF Pulse Type	Low SAR
Gradient Mode	Fast
Flow Compensation	Read

Sequence - Part 1

Bandwidth	260 Hz/Px
Echo Spacing	9.88 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	63

Sequence - Part 2

Introduction	On
Phase Correction	Off
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	Flip Angle > TR
Min Flip Angle	125 deg
Max. TR	750.0 ms
Allowed Delay	30 s

\\USER\\Lower Extremities\\Long Bone\\Long Bone Infection XA60\\T1_FS_COR_2.5mm_drb_Gd *

TA: 1:57 min Coil Selection: Auto Voxel Size: 0.4×0.4×2.5 mm³ Acc:: 4 Rel. SNR: 1.00 | Substep: 2/2**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	Off
Graphic segment	Default
Inline Movie	Off

Resolution - Common

FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
Base Resolution	384
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	4
Reference Lines PE	27
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	30
Distance Factor	5 %
Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	120 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
TR	600.0 ms
TE	9.90 ms
Averages	1
Concatenations	3
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	30
Distance Factor	5 %
Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
Phase Oversampling	120 %
FOV Read	300 mm
FOV Phase	100.0 %
Slice Thickness	2.5 mm
TR	600.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	3

Contrast - Common

TR	600.0 ms
TE	9.90 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle	135 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Phase Encoding Dir.	R >> L
AutoAlign	---
Initial Position	L0.0 P20.0 H250.0
L	0.0 mm
P	20.0 mm
H	250.0 mm
Initial Orientation	Coronal
Initial Rotation	0.00 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	80.00 mm
Position	L0.0 P0.0 H250.0 mm
Orientation	Transversal
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	On
Table Position	0 mm
Table Position	H
Disable Voice Commands	Off
Inline Composing	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 P20.0 H0.0 mm
Orientation	Coronal
Rotation	0.00 deg
R >> L	300 mm
F >> H	300 mm
A >> P	79 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off

System - Tx/Rx

Image Scaling	1.000
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Physio - Signal

1st Signal/Mode	None
TR	600.0 ms
Concatenations	3

Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	None
Dark Blood	Off
FOV Read	300 mm
FOV Phase	100.0 %
Phase Resolution	80 %
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	On
Normalize	Medium
Save non-normalized	Off
Composing Function	Adaptive
Series Description	

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tse_rr
Dimension	2D
RF Pulse Type	Low SAR
Gradient Mode	Fast
Flow Compensation	Read

Sequence - Part 1

Bandwidth	260 Hz/Px
Echo Spacing	9.88 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	63

Sequence - Part 2

Introduction	On
Phase Correction	Off
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	Flip Angle > TR
Min Flip Angle	125 deg
Max. TR	750.0 ms
Allowed Delay	30 s

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\T1_tse_fs_tra Gd *

TA: 3:02 min Coil Selection: Auto Voxel Size: 0.3×0.3×4.0 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	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
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	32
Distance Factor	20 %
Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	82.4 %
Slice Thickness	4.0 mm
TR	550.0 ms
TE	13.00 ms
Averages	1
Concatenations	2
AutoAlign	---

Contrast - Common

TR	550.0 ms
TE	13.00 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle	130 deg
Fat-Water Contrast	Dixon
Fat Saturation	Weak
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	180 mm
FOV Phase	82.4 %
Slice Thickness	4.0 mm
Base Resolution	352
Phase Resolution	80 %
Trajectory	Cartesian
Interpolation	On

Resolution - Acceleration

Acceleration Mode	SMS
SMS Averaging	Off
Reference Scans	TSE/Separate
Acceleration Factor PE	1
Reference Lines PE	64
SMS Factor	2
FOV Shift Factor	2
Deep Resolve	Off
Phase Partial Fourier	Off
Asymmetric Echo	Off

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	32
Distance Factor	20 %
Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FOV Read	180 mm
FOV Phase	82.4 %
Slice Thickness	4.0 mm
TR	550.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	2

Geometry - AutoAlign

Slice Group	1
Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L74.7 P59.2 H47.2

Geometry - AutoAlign

L	74.7 mm
P	59.2 mm
H	47.2 mm
Initial Orientation	T > S
T > S	-1.90
> C	0.00
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	47 mm
Table Position	H
Inline Composing	On
Normalize	Off
Save non-normalized	On
Composing Function	Adaptive
Series Description	
Composing Group	1
Last Step	Off

System - Miscellaneous

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

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L74.7 P59.2 H47.2 mm
Orientation	T > S-1.9
Rotation	0.00 deg
A >> P	149 mm
R >> L	180 mm
F >> H	153 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	550.0 ms
Concatenations	2

Physio - Cardiac

Fat-Water Contrast	Dixon
Magn. Preparation	None
Dark Blood	Off
FOV Read	180 mm
FOV Phase	82.4 %
Phase Resolution	80 %
Trajectory	Cartesian

Physio - PACE

Resp. Control	Off
Concatenations	2

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 - Composing

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

Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tse
---------------	-----

Sequence - Part 1

RF Pulse Type	Low SAR
Gradient Mode	Fast
Flow Compensation	None
Bandwidth	219 Hz/Px
Echo Spacing	12.88 ms
Asymmetric Echo	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	78

Sequence - Part 2

Introduction	On
Phase Correction	Off
Red. EC Sensitivity	Off
Reduce Motion Sens.	Off

Sequence - Assistant

SAR Assistant	Flip Angle
Min Flip Angle	125 deg
Allowed Delay	30 s

\\USER\Lower Extremities\Long Bone\Long Bone Infection XA60\T1 Sag_p3_3mm_drb *

TA: 2:29 min Coil Selection: Auto Voxel Size: 0.3×0.3×2.5 mm³ Acc:: 3 Rel. SNR: 1.00**Properties**

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

Resolution - Common

FOV Read	250 mm
FOV Phase	68.5 %
Slice Thickness	2.5 mm
Base Resolution	368
Phase Resolution	80 %
Interpolation	On

Resolution - Acceleration

Acceleration Mode	GRAPPA
Reference Scans	Integrated
Acceleration Factor PE	3
Reference Lines PE	27
Deep Resolve	On
Phase Partial Fourier	Off

Routine

Slice Group	1
Slices	36
Distance Factor	10 %
Position	L0.0 P20.0 H200.0 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Phase Oversampling	180 %
FOV Read	250 mm
FOV Phase	68.5 %
Slice Thickness	2.5 mm
TR	700.0 ms
TE	9.70 ms
Averages	1
Concatenations	3
AutoAlign	---

Resolution - Filter

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

Geometry - Common

Slice Group	1
Slices	36
Distance Factor	10 %
Position	L0.0 P20.0 H200.0 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
Phase Oversampling	180 %
FOV Read	250 mm
FOV Phase	68.5 %
Slice Thickness	2.5 mm
TR	700.0 ms
Multi-Slice Mode	Interleaved
Series	Interleaved
Concatenations	3

Contrast - Common

TR	700.0 ms
TE	9.70 ms
TD	0.00 ms
MTC	Off
Magn. Preparation	None
Flip Angle Mode	Constant
Flip Angle	135 deg
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Dark Blood	Off
Contrasts	1
Wrap-up Magn.	None
Reconstruction	Magnitude

Geometry - AutoAlign

Slice Group	1
Position	L0.0 P20.0 H200.0 mm
Orientation	Sagittal
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P20.0 H200.0
L	0.0 mm
P	20.0 mm
H	200.0 mm
Initial Orientation	Sagittal
Initial Rotation	0.00 deg

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	1
Multiple Series	Each Measurement

Geometry - Navigator**Geometry - Saturation**

Saturation Region	1
Thickness	80.00 mm
Position	Isocenter
Orientation	Transversal
Shape	Standard
Special Saturation	None

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	200 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	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	L0.0 P20.0 H200.0 mm
Orientation	Sagittal
Rotation	0.00 deg
A >> P	172 mm
F >> H	250 mm
R >> L	99 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.200000 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Physio - Signal

1st Signal/Mode	None
TR	700.0 ms

Physio - Signal

Concatenations	3
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Physio - Cardiac

Fat-Water Contrast	Fat Saturation
Magn. Preparation	None
Dark Blood	Off
FOV Read	250 mm
FOV Phase	68.5 %
Phase Resolution	80 %
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
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Inline - Open Recon

Algorithm	None
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Sequence - Part 1

Sequence Name	tse_rr
Dimension	2D
RF Pulse Type	Low SAR
Gradient Mode	Fast
Flow Compensation	Read
Bandwidth	277 Hz/Px
Echo Spacing	9.66 ms
Free Echo Spacing	Off
Define	Turbo Factor
Turbo Factor	3
Echo Trains per Slice	69

Sequence - Part 2

Introduction	On
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Sequence - Part 2

Phase Correction	Off
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	Flip Angle > TR
Min Flip Angle	125 deg
Max. TR	750.0 ms
Allowed Delay	30 s