

1 FOOT Stress Fx Metatarsals SIGNA Artist

Technical Instructions

Midline 3pl Loc

Strt Sag T1

Strt Sag STIR

SA T1

SA T2 Fat

LA T1

LA T2 FLEX

LA oZTEo MR Bone

--optional THIN--

Thin SA T1

LA PD FAT

Sag PD FAT

Midline 3pl Loc

Details tab

Protocol notes

Midline 3pl Loc

PATIENT POSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	3-PLANE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, EDR, TRF, Fast, SS, ARC
Pulse Sequence:	Spin Echo
ARC Phase:	2.00

Image Recon

Recon DL Strength:	Off
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	28.0
Slice Thickness:	5.00
Slice Spacing:	8.0
Overlap Locations:	0
No Phase Wrap:	2.00

ACQ TIMING

Acq Voxel Size:	1.1 X 1.3 X 5.0
Freq:	256
Phase:	224
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective

SCAN TIMING

TE:	Minimum
Number of Echoes:	1
TR:	Minimum
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Ankle joint
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USER CVS

User CV1:	1.00
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Strt Sag T1

Details tab

Protocol notes

Strt Sag T1

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ZIP512, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	2.00

Image Recon

Recon DL Strength:	High
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	19

No Phase Wrap: 1.75

ACQ TIMING

Acq Voxel Size: 0.4 X 0.4 X 4.0
Freq: 384
Phase: 384
Freq DIR: S/I
NEX: 1.00
of Acq. Before Pause: 0
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (S)

SCAN TIMING

Flip Angle: 160.0
TE: 20.0
Number of Echoes: 1
TR: 521.0
Echo Train Length: 4
Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Foot

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00
TR Min:	500.0
TR Max:	750.0

Non-Viewable Parameters

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Strt Sag STIR

Details tab

Protocol notes

Strt Sag STIR

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, EDR, Fast, ZIP512, ARC, IrP
Pulse Sequence:	FSE-XL
ARC Phase:	1.50

Image Recon

Recon DL Strength:	High
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	19

No Phase Wrap:

1.75

ACQ TIMING

Acq Voxel Size:	0.5 X 0.6 X 4.0
Freq:	320
Phase:	260
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	180.0
TE:	44.0
Number of Echoes:	1
TR:	5262.0
TI:	160
Echo Train Length:	12
Receiver Bandwidth:	50.00

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:

Foot

USER CVS

User CV9:	None
User CV15:	None
User CV18:	None
User CV21:	None
User CV26:	1.00
TR Min:	2000.0
TR Max:	15000.0

Non-Viewable Parameters

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SA T1

Details tab

Protocol notes

SA T1

PATIENT POSITION

Coil Configuration:	GE21chFlexL
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ZIP512, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	2.00

Image Recon

Recon DL Strength:	High
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	18

No Phase Wrap: 1.00

ACQ TIMING

Acq Voxel Size: 0.4 X 0.4 X 3.0
Freq: 384
Phase: 384
Freq DIR: S/I
NEX: 1.00
of Acq. Before Pause: 0
Phase FOV: 0.80
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCAN TIMING

Flip Angle: 160.0
TE: 20.0
Number of Echoes: 1
TR: 447.0
Echo Train Length: 4
Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Foot

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00
TR Min:	300.0
TR Max:	750.0

Non-Viewable Parameters

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SA T2 Fat

Details tab

Protocol notes

SA T2 Fat

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ZIP512, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.50

Image Recon

Recon DL Strength:	High
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	19

No Phase Wrap: 1.00

ACQ TIMING

Acq Voxel Size: 0.5 X 0.6 X 3.0
Freq: 320
Phase: 288
Freq DIR: R/L
NEX: 1.00
Phase FOV: 0.80
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (L)

SCAN TIMING

Flip Angle: 160.0
TE: 80.0
Number of Echoes: 1
TR: 3763.0
Echo Train Length: 22
Receiver Bandwidth: 50.00

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Ankle joint

SAT

Fat/Water Saturation:

Fat Classic

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV26:	1.00
TR Min:	3000.0
TR Max:	10000.0

Non-Viewable Parameters

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LA T1

Details tab

Protocol notes

LA T1

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ZIP512, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	2.00

Image Recon

Recon DL Strength:	High
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	3.00
Slice Spacing:	0.2
Overlap Locations:	0
Number of Slices:	30

No Phase Wrap: 1.75

ACQ TIMING

Acq Voxel Size: 0.4 X 0.4 X 3.0
Freq: 384
Phase: 384
Freq DIR: S/I
NEX: 1.00
of Acq. Before Pause: 0
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (S)

SCAN TIMING

Flip Angle: 160.0
TE: 20.0
Number of Echoes: 1
TR: 501.0
Echo Train Length: 4
Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Foot

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00
TR Min:	500.0
TR Max:	750.0

Non-Viewable Parameters

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LA T2 FLEX

Details tab

Protocol notes

LA T2 FLEX

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ZIP512, ARC, Flex
Pulse Sequence:	FSE-XL
IDEAL:	3
ARC Phase:	1.50

Image Recon

Recon DL Strength:	High
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	3.00
Slice Spacing:	0.2
Overlap Locations:	0
Number of Slices:	23

No Phase Wrap: 1.00

ACQ TIMING

Acq Voxel Size: 0.5 X 0.6 X 3.0
Freq: 320
Phase: 256
Freq DIR: S/I
NEX: 1.00
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCAN TIMING

Flip Angle: 160.0
TE: 68.0
Number of Echoes: 1
TR: 3789.0
Echo Train Length: 12
Receiver Bandwidth: 83.33

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Foot

USER CVS

User CV6:	None
User CV14:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	1.00
User CV26:	1.00
TR Min:	2800.0
TR Max:	8500.0

Non-Viewable Parameters

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LA oZTEo MR Bone

Details tab

Protocol notes

LA oZTEo MR Bone

PATIENT POSITION

Coil Configuration:	GE16chTDIAA, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	Fast, SqP
Pulse Sequence:	SPGR
PSD Name:	ozteo

Image Recon

Recon DL Strength:	Off
Intensity Correction:	SCENIC
Intensity Filter:	G - Noise reduction
Save Original:	On

SCAN RANGE

FOV:	16.0
Slice Thickness:	1.20
Overlap Locations:	0
No Slab Wrap:	1.00
Slice Resolution(%):	100.00

ACQ TIMING

Acq Voxel Size:	0.9 X 0.9 X 1.2
Freq:	180
Freq DIR:	Unswap
NEX:	8.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Spokes Per Segment:	384

SCAN TIMING

Flip Angle:	2
Number of Echoes:	1
Receiver Bandwidth:	50.00

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Foot
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GATING/TRIGGER

Pause After Navigator Prescan:	0
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USER CVS

User CV4:	None
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Details tab

Protocol notes

--optional THIN--

PATIENT POSITION

Coil Configuration: QED16chKnee

Plane: 3-PLANE

IMAGING PARAMETERS

Imaging Mode: 2D

Imaging Options: Seq, Fast

Pulse Sequence: Gradient Echo

Image Recon

Intensity Correction: NONE

Intensity Filter: None

SCAN RANGE

FOV: 32.0

Slice Thickness: 7.0

Slice Spacing: 2.5

No Phase Wrap: 1.00

ACQ TIMING

Acq Voxel Size: 1.3 X 2.5 X 7.0

Freq: 256

Phase:	128
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Foot
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GATING/TRIGGER

Auto Trigger Type:	Off
Pause After Navigator Prescan:	0

Non-Viewable Parameters

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Thin SA T1

Details tab

Protocol notes

Thin SA T1

PATIENT POSITION

Coil Configuration:	GE21chFlexL
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ZIP512, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	2.00

Image Recon

Recon DL Strength:	High
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	2.00
Slice Spacing:	0.2
Overlap Locations:	0
Number of Slices:	33

No Phase Wrap: 1.00

ACQ TIMING

Acq Voxel Size: 0.4 X 0.4 X 2.0
Freq: 384
Phase: 384
Freq DIR: S/I
NEX: 1.00
of Acq. Before Pause: 0
Phase FOV: 0.80
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCAN TIMING

Flip Angle: 160.0
TE: 20.0
Number of Echoes: 1
TR: 629.0
Echo Train Length: 4
Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Foot

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00
TR Min:	300.0
TR Max:	750.0

Non-Viewable Parameters

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LA PD FAT

Details tab

Protocol notes

LA PD FAT

PATIENT POSITION

Coil Configuration:	GE21chFlexL
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.50

Image Recon

Recon DL Strength:	High
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	12.0
Slice Thickness:	2.00
Slice Spacing:	0.2
Overlap Locations:	0
Number of Slices:	15

No Phase Wrap:

1.75

ACQ TIMING

Acq Voxel Size:	0.3 X 0.4 X 2.0
Freq:	384
Phase:	288
Freq DIR:	R/L
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	160.0
TE:	31.0
Number of Echoes:	1
TR:	1800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Foot
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SAT

Fat/Water Saturation:

Fat Classic

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	1.00
User CV26:	1.00
TR Min:	1800.0
TR Max:	10000.0

Non-Viewable Parameters

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Sag PD FAT

Details tab

Protocol notes

Sag PD FAT

PATIENT POSITION

Coil Configuration:	GE21chFlexL
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.50

Image Recon

Recon DL Strength:	High
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	12.0
Slice Thickness:	2.00
Slice Spacing:	0.2
Overlap Locations:	0
Number of Slices:	15

No Phase Wrap:

1.75

ACQ TIMING

Acq Voxel Size:	0.3 X 0.4 X 2.0
Freq:	384
Phase:	288
Freq DIR:	R/L
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	160.0
TE:	31.0
Number of Echoes:	1
TR:	1800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Foot
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SAT

Fat/Water Saturation:

Fat Classic

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	1.00
User CV26:	1.00
TR Min:	1800.0
TR Max:	10000.0

Non-Viewable Parameters

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