

1 Stress Fracture-Metatarsals SIGNA Architect

Technical Instructions

3-Plane Loc

Strt Sag T1

Strt Sag STIR

SA T1

SA T2 Fat

LA T1

LA T2 FLEX

LA oZTEo MR Bone

--opt Thin--

Thin SA T1

LA PD Fat

Sag PD Fat

3-Plane Loc

Details tab

Protocol notes

3-Plane Loc

PATIENT POSITION

Coil Configuration:

RFT8chFootAnkle

Plane:

3-PLANE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

Seq, EDR, 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:

20.0

Slice Thickness:

5.00

Slice Spacing:

5.0

Overlap Locations:

0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.8 X 5.0
Freq:	384
Phase:	256
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

TE:	85.0
Number of Echoes:	1
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Foot
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USER CVS

User CV1:	1.00
User CV2:	240.00

User CV13:

1.00

Non-Viewable Parameters

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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:	Medium
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:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
Number of Echoes:	1
TR:	507.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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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
User CV41:	None
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:	Medium
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:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	125.0
TE:	44.0
Number of Echoes:	1
TR:	5327.0
TI:	160
Echo Train Length:	12
Receiver Bandwidth:	50.00

CONTRAST

Contrast Yes/No:	No
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OTHERS

<i>Anatomical Region:</i>	<i>Foot</i>
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USER CVS

User CV9:	None
User CV15:	None
User CV18:	None
User CV21:	None
User CV26:	1.00
User CV28:	None
User CV41:	None
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:	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:	Medium
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:	24

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:	0.80
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
Number of Echoes:	1
TR:	581.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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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
User CV41:	None
TR Min:	500.0
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:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	Medium
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:	6

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.6 X 3.0
Freq:	352
Phase:	288
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	0.80
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	111.0
TE:	80.0
Number of Echoes:	1
TR:	2800.0
Echo Train Length:	19
Receiver Bandwidth:	83.33

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 CV18:	None
User CV19:	1.00
User CV21:	1.00
User CV26:	1.00
User CV41:	None
TR Min:	2800.0
TR Max:	5000.0

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:	Medium
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:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
Number of Echoes:	1
TR:	728.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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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
User CV41:	None
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:	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:	16

No Phase Wrap: **1.50**

ACQ TIMING

Acq Voxel Size:	0.5 X 0.6 X 3.0
Freq:	320
Phase:	256
Freq DIR:	A/P
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (A)

SCAN TIMING

Flip Angle:	111.0
TE:	68.0
Number of Echoes:	1
TR:	2800.0
Echo Train Length:	12
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Foot
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USER CVS

User CV6:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	1.00
User CV26:	1.00
User CV41:	None
TR Min:	2800.0
TR Max:	10000.0

Non-Viewable Parameters

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LA oZTEo MR Bone

Details tab

Protocol notes

LA oZTEo MR Bone

PATIENT POSITION

Coil Configuration:	Inv16chShoulder
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:	0.80
Overlap Locations:	0
No Slab Wrap:	1.00
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	0.9 X 0.9 X 1.6
Freq:	180
Freq DIR:	Unswap
NEX:	5.60
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Spokes Per Segment:	384

SCAN TIMING

Flip Angle:	1
Number of Echoes:	1
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Shoulder

GATING/TRIGGER

Pause After Navigator Prescan:	0
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USER CVS

User CV4:	None
User CV41:	None

Non-Viewable Parameters

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--opt Thin--

Details tab

Protocol notes

--opt Thin--

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	3-PLANE

IMAGING PARAMETERS

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

Image Recon

Intensity Correction:	NONE
Intensity Filter:	None

SCAN RANGE

FOV:	20.0
Slice Thickness:	5.0
Slice Spacing:	5.0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.8 X 5.0
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<i>Freq:</i>	384
Phase:	256
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:	85.0
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Foot
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GATING/TRIGGER

Auto Trigger Type:	Off
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USER CVS

User CV1:	1.00
User CV2:	240.00

User CV13:	1.00
User CV15:	None
User CV39:	1.00

Non-Viewable Parameters

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Thin SA T1

Details tab

Protocol notes

Thin SA 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:	14.0
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:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (I)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
Number of Echoes:	1
TR:	714.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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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
User CV41:	None
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:	GE20chFlexM
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:	On
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	111.0
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
User CV41:	None
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:	GE20chFlexM
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:	On
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	111.0
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
User CV41:	None
TR Min:	1800.0
TR Max:	10000.0

Non-Viewable Parameters

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