

1 ANKLE Achilles SIGNA Artist

Technical Instructions

Midline 3PI Loc

Mort Sag T1

Mort Sag T2 Fat

Str Ax PD

Str Ax T2 Fat

Mort Cor T2 Fat

Midline 3PI Loc

Details tab

Protocol notes

Midline 3PI Loc

PATIENT POSITION

Coil Configuration:	GE20chFlexM
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:	30.0
Slice Thickness:	7.00
Slice Spacing:	10.0
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	1.0 X 1.3 X 7.0
Freq:	288
Phase:	240
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:	80.0
Number of Echoes:	1
TR:	827.3
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Ankle joint

USER CVS

User CV1:	1.00
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Details tab

Protocol notes

Mort 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:	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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Mort Sag T2 Fat

Details tab

Protocol notes

Mort Sag 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:	0.2
Overlap Locations:	0
Number of Slices:	23

No Phase Wrap: 1.50

ACQ TIMING

Acq Voxel Size: 0.5 X 0.6 X 3.0
Freq: 320
Phase: 288
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: 160.0
TE: 80.0
Number of Echoes: 1
TR: 4216.0
Echo Train Length: 20
Receiver Bandwidth: 50.00

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Ankle joint

SAT

Fat/Water Saturation: Fat

USER CVS

User CV6:	None
User CV9:	None
User CV13:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	0.85
User CV21:	None
User CV26:	1.00
TR Min:	3000.0
TR Max:	10000.0

Non-Viewable Parameters

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Str Ax PD

Details tab

Protocol notes

Str Ax PD

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:	1.75

Image Recon

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

SCAN RANGE

FOV:	14.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	16

No Phase Wrap: 1.50

ACQ TIMING

Acq Voxel Size: 0.4 X 0.4 X 4.0
Freq: 320
Phase: 320
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: 20.0
Number of Echoes: 1
TR: 1800.0
Echo Train Length: 6
Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Ankle joint

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:	1800.0
TR Max:	3200.0

Non-Viewable Parameters

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Str Ax T2 Fat

Details tab

Protocol notes

Str Ax 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: 14.0

Slice Thickness: 4.00

Slice Spacing: 1.0

Overlap Locations: 0

Number of Slices: 16

No Phase Wrap: 1.50

ACQ TIMING

Acq Voxel Size: 0.4 X 0.5 X 4.0
Freq: 320
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: 80.0
Number of Echoes: 1
TR: 3738.0
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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Mort Cor T2 Fat

Details tab

Protocol notes

Mort Cor 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:	1.5
Overlap Locations:	0
Number of Slices:	18

No Phase Wrap: 1.50

ACQ TIMING

Acq Voxel Size: 0.4 X 0.6 X 3.0
Freq: 384
Phase: 288
Freq DIR: S/I
NEX: 1.00
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: 80.0
Number of Echoes: 1
TR: 4240.0
Echo Train Length: 22
Receiver Bandwidth: 62.50

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:	8500.0

Non-Viewable Parameters

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--Old--

Details tab

Protocol notes

--Old--

PATIENT POSITION

Coil Configuration: GE20chFlexM

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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Mort Sag T1 DL

Details tab

Protocol notes

Mort Sag T1 DL

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:	Medium
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	3.00
Slice Spacing:	0.2
Overlap Locations:	0
No Phase Wrap:	2.00

ACQ TIMING

Acq Voxel Size:	0.3 X 0.4 X 3.0
Freq:	512
Phase:	384
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Ankle joint
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User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00

Non-Viewable Parameters

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Mortise Sag T2 fat 85% DL

Details tab

Protocol notes

Mortise Sag T2 fat 85% DL

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	TRF, Fast, ZIP512
Pulse Sequence:	FSE-XL

Image Recon

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

SCAN RANGE

FOV:	16.0
Slice Thickness:	3.00
Slice Spacing:	0.2
Overlap Locations:	0
No Phase Wrap:	2.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 3.0
Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	160
TE:	80.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	17
Receiver Bandwidth:	20.83

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Ankle joint
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SAT

Fat/Water Saturation:

Fat

USER CVS

User CV6:	None
User CV8:	None
User CV9:	None
User CV12:	1.00
User CV13:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	0.85
User CV21:	None
User CV30:	1.00

Non-Viewable Parameters

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Str Ax PD DL

Details tab

Protocol notes

Str Ax PD DL

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:	Medium
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	14.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 X 4.0
Freq:	384
Phase:	256
Freq DIR:	Unswap
NEX:	0.50
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	2000.0
Echo Train Length:	4
Receiver Bandwidth:	19.23

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Ankle joint
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User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV17:	None
User CV18:	None
User CV21:	1.00
User CV26:	1.00

Non-Viewable Parameters

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Str Ax T2 clfat DL

Details tab

Protocol notes

Str Ax T2 clfat DL

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:	Medium
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	14.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.5 X 0.6 X 4.0
Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	160.0
TE:	80.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	11
Receiver Bandwidth:	31.25

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Ankle joint
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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

Non-Viewable Parameters

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Mort Cor T2 clfat DL

Details tab

Protocol notes

Mort Cor T2 clfat DL

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, Fast, ZIP512
Pulse Sequence:	FSE-XL

Image Recon

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

SCAN RANGE

FOV:	16.0
Slice Thickness:	3.00
Slice Spacing:	1.5
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 3.0
Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
Flow Comp Direction:	Freq
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	180.0
TE:	80.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	11
Receiver Bandwidth:	20.83

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Ankle joint
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SAT

Fat/Water Saturation: Fat Classic

USER CVS

User CV6:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV26:	1.00

Non-Viewable Parameters

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--optional--

Details tab

Protocol notes

--optional--

PATIENT POSITION

Coil Configuration:	GE20chFlexM
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:	10.0
Slice Spacing:	2.5
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	1.3 X 2.5 X 10.0
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

OTHERS

Anatomical Region: Ankle joint

GATING/TRIGGER

Auto Trigger Type: Off
Pause After Navigator Prescan: 0

Non-Viewable Parameters

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Mort Sag FSTIR

Details tab

Protocol notes

Mort Sag FSTIR

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

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

SCAN RANGE

FOV:	18.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.9 X 4.0
Freq:	288
Phase:	192
Freq DIR:	Unswap
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

SCAN TIMING

Flip Angle:	180
TE:	44.0
Number of Echoes:	1
TR:	5000.0
TI:	160
Echo Train Length:	8
Receiver Bandwidth:	19.23

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Ankle joint
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USER CVS

User CV9:	None
User CV12:	1.00
User CV15:	None
User CV18:	None
User CV21:	1.00
User CV30:	1.00

Non-Viewable Parameters

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