

1 ANKLE OCD-Loose Body-Ligament 1.5T

Technical Instructions

Midline 3pl Loc

Mort Sag T1 DL

Mort Sag T2 fat 85% DL

Str Ax PD DL

Str Ax T2 Fat DL

Mort Cor T1 DL

Mort Cor T2 Fat DL

Mort Cor PD

--Synovitis opt contrast--

+C Mortise Sag T1 Fat

+C str Ax T1 Fat

+C Mortise Cor T1 Fat

Midline 3pl Loc

Detailstab

Protocolnotes

Midline 3pl Loc

PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	3-PLANE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

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

ACQTIMING

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

SCANTIMING

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

CONTRAST

Contrast Yes/No:	No
------------------	----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

USERCVS

User CV1:	1.00
-----------	------

Mort Sag T1 DL

Detailstab

Protocolnotes

Mort Sag T1 DL

PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
No Phase Wrap:	1.50

ACQTIMING

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

SCANTIMING

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
------------------	----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None

Non-Viewable Parameters

ñ

Mort Sag T2 fat 85% DL

Detailstab

Protocolnotes

Mort Sag T2 fat 85% DL

PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
No Phase Wrap:	1.50

ACQTIMING

Acq Voxel Size:	0.4 X 0.6 X 3.0
Freq:	320
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

SCANTIMING

Flip Angle:	160.0
TE:	80.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	17
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
------------------	----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

Fat/Water Saturation:

Fat

USERCVS

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

Non-Viewable Parameters

ñ

Str Ax PD DL

Detailstab

Protocolnotes

Str Ax PD DL

PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, TRF, Fast, ZIP512, ARC

Pulse Sequence: FSE-XL

ARC Phase: 1.50

ImageRecon

Recon DL Strength: Medium

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 14.0

Slice Thickness: 3.00

Slice Spacing: 0.5

Overlap Locations: 0

No Phase Wrap: 1.50

ACQTIMING

Acq Voxel Size:	0.5 X 0.6 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

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	2000.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
------------------	----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	1.00

Non-Viewable Parameters

ñ

Str Ax T2 Fat DL

Detailstab

Protocolnotes

Str Ax T2 Fat DL

PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, TRF, Fast, ZIP512, ARC

Pulse Sequence: FSE-XL

ARC Phase: 1.50

ImageRecon

Recon DL Strength: Medium

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 14.0

Slice Thickness: 3.00

Slice Spacing: 0.5

Overlap Locations: 0

No Phase Wrap: 1.50

ACQTIMING

Acq Voxel Size:	0.5 X 0.6 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

SCANTIMING

Flip Angle:	160.0
TE:	80.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	11
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
------------------	----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

Fat/Water Saturation:

Fat Classic

USERCVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None

Non-Viewable Parameters

ñ

Mort Cor T1 DL

Detailstab

Protocolnotes

Mort Cor T1 DL

PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: TRF, Fast, ZIP512

Pulse Sequence: FSE-XL

ImageRecon

Recon DL Strength: Medium

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 16.0

Slice Thickness: 3.00

Slice Spacing: 0.5

Overlap Locations: 0

No Phase Wrap: 1.50

ACQTIMING

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

SCANTIMING

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
------------------	----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

USERCVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None

Non-Viewable Parameters

ñ

Mort Cor T2 Fat DL

Detailstab

Protocolnotes

Mort Cor T2 Fat DL

PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	16.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
No Phase Wrap:	1.50

ACQTIMING

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

SCANTIMING

Flip Angle:	160.0
TE:	80.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	11
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
------------------	----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

SAT

Fat/Water Saturation:

Fat Classic

USERCVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None

Non-Viewable Parameters

ñ

Mort Cor PD

Detailstab

Protocolnotes

Mort Cor PD

PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	10.0
Slice Thickness:	2.00
Slice Spacing:	0.5
Overlap Locations:	0
Number of Slices:	20
No Phase Wrap:	1.00

ACQTIMING

Acq Voxel Size:	0.4 X 0.4 X 2.0
Freq:	256
Phase:	224
Freq DIR:	S/I
NEX:	2.00
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal (I)

SCANTIMING

Flip Angle:	160.0
TE:	47.0
Number of Echoes:	1
TR:	3000.0
Echo Train Length:	16
Receiver Bandwidth:	41.67

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
------------------	----

OTHERS

Anatomical Region: Knee

USERCVS

User CV6: None

User CV7: None

User CV9: None

User CV15: None

User CV16: None

User CV18: None

User CV21: None

Non-Viewable Parameters

ñ

*Mort Cor PD DL

Detailstab

Protocolnotes

*Mort Cor PD DL

PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	10.0
Slice Thickness:	2.00
Slice Spacing:	0.5
Overlap Locations:	0
Number of Slices:	20

No Phase Wrap: 1.00

ACQTIMING

Acq Voxel Size: 0.3 X 0.4 X 2.0
Freq: 320
Phase: 224
Freq DIR: S/I
NEX: 2.00
of Acq. Before Pause: 0
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: On
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCANTIMING

Flip Angle: 160.0
TE: 47.0
Number of Echoes: 1
TR: 3000.0
Echo Train Length: 16
Receiver Bandwidth: 41.67

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No:

No

OTHERS

Anatomical Region:

Knee

USERCVS

User CV6:

None

User CV7:

None

User CV9:

None

User CV15:

None

User CV16:

None

User CV18:

None

User CV21:

None

Non-Viewable Parameters

ñ

*Mort Sag Cube PD

Detailstab

Protocolnotes

*Mort Sag Cube PD

PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle
Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 3D
Imaging Options: EDR, Fast, ZIP512, FR, ARC
Pulse Sequence: Cube
ARC Phase: 2.00
ARC Slice: 1.50

ImageRecon

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

SCANRANGE

FOV: 16.0
Slice Thickness: 0.70
Slices per Slab: 120
Overlap Locations: 0
Number of Slices: 1

No Slab Wrap:	1.01
No Phase Wrap:	1.60
Slice Resolution(%):	100.00

ACQTIMING

Acq Voxel Size:	0.6 X 0.6 X 0.7
Freq:	252
Phase:	252
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Non-Selective
Fat Shift DIR:	Normal (S)

SCANTIMING

TE:	45.0
Number of Echoes:	1
TR:	1137.0
Echo Train Length:	60
Receiver Bandwidth:	83.33

TRACKER

Tracker Length:	200.0
Tracker Thickness:	20.0

CONTRAST

Contrast Yes/No: No

OTHERS

3D Geometry Correction: Off

Anatomical Region: Ankle joint

USERCVS

User CV12: 30.00

User CV22: 1.00

User CV32: None

User CV34: 100.00

Non-Viewable Parameters

ñ

MultiPlanar Reconstruction (MPR)

Detailstab

Protocolnotes

MultiPlanar Reconstruction(MPR)

*Mort Sag Cube PD

Axial

Field of View:	160.0
Spacing:	1.0
Save Direction:	S -> I
Render Mode:	Average
Thickness:	1.0
Series Description:	Ax PD Reformat

Coronal

Field of View:	160.0
Spacing:	1.0
Thickness:	1.0
Save Direction:	P -> A
Series Description:	Cor PD Reformat
Render Mode:	Average

Use Scan Fov:	Off
---------------	-----

Non-Viewable Parameters

ñ

--Synovitis opt contrast--

Detailstab

Protocolnotes

--Synovitis opt contrast--

PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	3-PLANE

IMAGINGPARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, Fast
Pulse Sequence:	Gradient Echo

ImageRecon

Intensity Correction:	NONE
Intensity Filter:	None

SCANRANGE

FOV:	30.0
Slice Thickness:	5.0
Slice Spacing:	0.0
No Phase Wrap:	1.00

ACQTIMING

Acq Voxel Size:	1.2 X 1.6 X 5.0
Freq:	256

Phase:	192
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

ñ

str Ax T1 Fat

Detailstab

Protocolnotes

str Ax T1 Fat

PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
No Phase Wrap:	1.50

ACQTIMING

Acq Voxel Size:	0.5 X 0.6 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

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
------------------	-----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

SAT

Fat/Water Saturation:

Fat Classic

USERCVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None

Non-Viewable Parameters

ñ

+C Mortise Sag T1 Fat

Detailstab

Protocolnotes

+C Mortise Sag T1 Fat

PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
No Phase Wrap:	1.50

ACQTIMING

Acq Voxel Size:	0.5 X 0.6 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

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	575.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
------------------	-----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

SAT

Fat/Water Saturation:

Fat Classic

USERCVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None

Non-Viewable Parameters

ñ

+C str Ax T1 Fat

Detailstab

Protocolnotes

+C str Ax T1 Fat

PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: TRF, Fast, ZIP512

Pulse Sequence: FSE-XL

ImageRecon

Recon DL Strength: Medium

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 14.0

Slice Thickness: 3.00

Slice Spacing: 0.5

Overlap Locations: 0

No Phase Wrap: 1.50

ACQTIMING

Acq Voxel Size:	0.5 X 0.6 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

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
------------------	-----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

SAT

Fat/Water Saturation:

Fat Classic

USERCVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None

Non-Viewable Parameters

ñ

+C Mortise Cor T1 Fat

Detailstab

Protocolnotes

+C Mortise Cor T1 Fat

PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: TRF, Fast, ZIP512

Pulse Sequence: FSE-XL

ImageRecon

Recon DL Strength: Medium

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 16.0

Slice Thickness: 3.00

Slice Spacing: 0.5

Overlap Locations: 0

No Phase Wrap: 1.50

ACQTIMING

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

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
------------------	-----

OTHERS

Anatomical Region:	Ankle joint
--------------------	-------------

SAT

Fat/Water Saturation:

Fat Classic

USERCVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None

Non-Viewable Parameters

ñ