

# 1 ANKLE Achilles SIGNA Artist

## Technical Instructions

**Midline 3pl Loc**

**Mort Sag T1 DL**

**Mortise Sag T2 fat 85% DL**

**Str Ax PD DL**

**Str Ax T2 clfat DL**

**Mort Cor T2 clfat DL**

**--optional--**

**Mort Sag FSTIR**

**--old--**

**Mort Sag T1**

**Str Ax T2 clfat**

# Midline 3pl Loc

Detailstab

Protocolnotes

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## Midline 3pl Loc

### PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle  
Plane: 3-PLANE

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### IMAGINGPARAMETERS

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

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### ImageRecon

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

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### SCANRANGE

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

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## **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

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## **SCANTIMING**

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

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## **CONTRAST**

Contrast Yes/No:	No
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## **OTHERS**

Anatomical Region:	Ankle joint
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## **USERCVS**

User CV1:	1.00
User CV39:	1.00

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:	NONE
Intensity Filter:	None
Save Original:	Off

### SCANRANGE

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

## **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

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## **SCANTIMING**

Flip Angle:	160
TE:	20.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

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## **CONTRAST**

Contrast Yes/No:	No
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## **OTHERS**

Anatomical Region:	Ankle joint
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<b>User CV6:</b>	<b>None</b>
User CV8:	None
User CV9:	None
User CV12:	1.00
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV30:	1.00
User CV39:	1.00

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## Non-Viewable Parameters

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# Mortise Sag T2 fat 85% DL

Detailstab

Protocolnotes

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## Mortise Sag T2 fat 85% DL

### PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

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### IMAGINGPARAMETERS

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

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### ImageRecon

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

---

### SCANRANGE

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

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## **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

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## **SCANTIMING**

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

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## **CONTRAST**

Contrast Yes/No:	No
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## **OTHERS**

Anatomical Region:	Ankle joint
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## **SAT**



***Fat/Water Saturation:***

***Fat***

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**USERCVS**

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

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**Non-Viewable Parameters**

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# Str Ax PD DL

Detailstab

Protocolnotes

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## Str Ax PD DL

### PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle

Plane: OBLIQUE

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### IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, TRF, Fast, ARC

Pulse Sequence: FSE-XL

ARC Phase: 1.50

---

### ImageRecon

Recon DL Strength: Medium

Intensity Correction: NONE

Intensity Filter: None

Save Original: Off

---

### SCANRANGE

FOV: 14.0

Slice Thickness: 4.00

Slice Spacing: 1.0

Overlap Locations: 0

No Phase Wrap: 1.50

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## **ACQTIMING**

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

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## **SCANTIMING**

Flip Angle:	160
TE:	20.0
Number of Echoes:	1
TR:	2000.0
Echo Train Length:	4
Receiver Bandwidth:	19.23

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## **CONTRAST**

Contrast Yes/No:	No
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## **OTHERS**

Anatomical Region:	Ankle joint
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<b>User CV6:</b>	<b>None</b>
User CV8:	None
User CV9:	None
User CV12:	1.00
User CV15:	None
User CV16:	None
User CV17:	None
User CV18:	None
User CV21:	1.00
User CV30:	1.00
User CV39:	1.00

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## Non-Viewable Parameters

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# Str Ax T2 clfat DL

Detailstab

Protocolnotes

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## Str Ax T2 clfat DL

### PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle

Plane: OBLIQUE

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### IMAGINGPARAMETERS

Imaging Mode: 2D

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

Pulse Sequence: FSE-XL

ARC Phase: 1.50

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### ImageRecon

Recon DL Strength: Medium

Intensity Correction: NONE

Intensity Filter: None

Save Original: Off

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### SCANRANGE

FOV: 14.0

Slice Thickness: 4.00

Slice Spacing: 1.0

Overlap Locations: 0

No Phase Wrap: 1.50

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## **ACQTIMING**

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

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## **SCANTIMING**

Flip Angle:	160
TE:	80.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	11
Receiver Bandwidth:	31.25

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## **CONTRAST**

Contrast Yes/No:	No
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## **OTHERS**

Anatomical Region:	Ankle joint
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***Fat/Water Saturation:***

***Fat Classic***

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**USERCVS**

User CV6:	None
User CV8:	None
User CV9:	None
User CV12:	1.00
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00
User CV39:	1.00

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**Non-Viewable Parameters**

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# Mort Cor T2 clfat DL

Detailstab

Protocolnotes

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## Mort Cor T2 clfat DL

### PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

---

### IMAGINGPARAMETERS

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

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### ImageRecon

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

---

### SCANRANGE

FOV:	16.0
Slice Thickness:	3.00
Slice Spacing:	1.5
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
Flow Comp Direction:	Freq
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

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## **SCANTIMING**

Flip Angle:	180
TE:	80.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	11
Receiver Bandwidth:	20.83

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## **CONTRAST**

Contrast Yes/No:	No
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## **OTHERS**

Anatomical Region:	Ankle joint
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## **SAT**

Fat/Water Saturation:

Fat Classic

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## **USERCVS**

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

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**Non-Viewable Parameters**

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# --optional--

Detailstab

Protocolnotes

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## --optional--

### PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	3-PLANE

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### IMAGINGPARAMETERS

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

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### ImageRecon

Intensity Correction:	NONE
Intensity Filter:	None

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### SCANRANGE

FOV:	32.0
Slice Thickness:	10.0
Slice Spacing:	2.5
No Phase Wrap:	1.00

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### ACQTIMING

Acq Voxel Size:	1.3 X 2.5 X 10.0
Freq:	256

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

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### **CONTRAST**

Contrast Yes/No:	No
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### **OTHERS**

Anatomical Region:	Ankle joint
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### **GATING/TRIGGER**

Auto Trigger Type:	Off
Pause After Navigator Prescan:	0

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### **Non-Viewable Parameters**

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# Mort Sag FSTIR

Detailstab

Protocolnotes

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## Mort Sag FSTIR

### PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle  
Plane: OBLIQUE

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### IMAGINGPARAMETERS

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

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### ImageRecon

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

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### SCANRANGE

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

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## **ACQTIMING**

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

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## **SCANTIMING**

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

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## **CONTRAST**

Contrast Yes/No:	No
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## **OTHERS**

Anatomical Region:	Ankle joint
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**USERCVS**

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

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**Non-Viewable Parameters**

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--old--

Detailstab

Protocolnotes

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--old--

### **PATIENTPOSITION**

Coil Configuration:	RFT8chFootAnkle
Plane:	3-PLANE

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### **IMAGINGPARAMETERS**

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

---

### **ImageRecon**

Intensity Correction:	NONE
Intensity Filter:	None

---

### **SCANRANGE**

FOV:	32.0
Slice Thickness:	10.0
Slice Spacing:	2.5
No Phase Wrap:	1.00

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### **ACQTIMING**

Acq Voxel Size:	1.3 X 2.5 X 10.0
Freq:	256



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

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### **CONTRAST**

Contrast Yes/No:	No
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### **OTHERS**

Anatomical Region:	Ankle joint
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### **GATING/TRIGGER**

Auto Trigger Type:	Off
Pause After Navigator Prescan:	0

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### **Non-Viewable Parameters**

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# Mort Sag T1

Detailstab

Protocolnotes

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## Mort Sag T1

### PATIENTPOSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

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### IMAGINGPARAMETERS

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

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### ImageRecon

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

---

### SCANRANGE

FOV:	16.0
Slice Thickness:	3.0
Slice Spacing:	0.2
No Phase Wrap:	2.00

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### ACQTIMING

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

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### **SCANTIMING**

Flip Angle:	160
TE:	20.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	25.00

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### **CONTRAST**

Contrast Yes/No:	No
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### **OTHERS**

Anatomical Region:	Ankle joint
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### **GATING/TRIGGER**

Auto Trigger Type:	Off
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**USERCVS**

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV30:	1.00

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**Non-Viewable Parameters**

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# Str Ax T2 clfat

Detailstab

Protocolnotes

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## Str Ax T2 clfat

### PATIENTPOSITION

Coil Configuration: RFT8chFootAnkle

Plane: OBLIQUE

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### IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: TRF, Fast, ZIP512

Pulse Sequence: FSE-XL

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### ImageRecon

Recon DL Strength: Off

Intensity Correction: NONE

Intensity Filter: None

Save Original: Off

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### SCANRANGE

FOV: 14.0

Slice Thickness: 4.00

Slice Spacing: 1.0

Overlap Locations: 0

No Phase Wrap: 2.00

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## **ACQTIMING**

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

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## **SCANTIMING**

Flip Angle:	160
TE:	80.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	11
Receiver Bandwidth:	20.83

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## **CONTRAST**

Contrast Yes/No:	No
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## **OTHERS**

Anatomical Region:	Ankle joint
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## **SAT**

***Fat/Water Saturation:***

***Fat Classic***

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**USERCVS**

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

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**Non-Viewable Parameters**

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