

# 1 Achilles (Tendon) SIGNA Architect

## Technical Instructions

**3-Plane Loc**

**Mort Sag T1**

**Mort Sag T2 Fat**

**Str Ax PD**

**Str Ax T2 Fat**

**Mort Cor T2 Fat**

# 3-Plane Loc

Details tab

Protocol notes

---

## 3-Plane Loc

### 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

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

---

## **OTHERS**

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

---

## **USER CVS**

User CV1:	1.00
User CV2:	240.00

**User CV13:**

**1.00**

---

**Non-Viewable Parameters**

**ñ**

# Mort Sag T1

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:	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

---

### **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**

ñ

# 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: 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: 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: On  
RF Drive Mode: Preset  
Excitation Mode: Selective  
Fat Shift DIR: Normal (S)

---

### **SCAN TIMING**

Flip Angle: 111.0  
TE: 80.0  
Number of Echoes: 1  
TR: 4640.0  
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 CV15:	None
User CV16:	None
User CV18:	None
User CV19:	0.85
User CV21:	None
User CV26:	1.00
User CV41:	None
TR Min:	3000.0
TR Max:	10000.0

---

**Non-Viewable Parameters**

ñ

# 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: 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: 1

**No Phase Wrap:** 1.50

---

**ACQ TIMING**

Acq Voxel Size: 0.5 X 0.5 X 4.0  
Freq: 320  
Phase: 320  
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: 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
User CV41:	None
TR Min:	1800.0
TR Max:	3200.0

---

**Non-Viewable Parameters**

ñ

# 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:	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:	1

**No Phase Wrap:** 1.50

---

### **ACQ TIMING**

Acq Voxel Size: 0.5 X 0.6 X 4.0  
Freq: 320  
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: 80.0  
Number of Echoes: 1  
TR: 3000.0  
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
User CV41:	None
TR Min:	3000.0
TR Max:	10000.0

---

**Non-Viewable Parameters**

ñ

# 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:	Medium
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:	1

**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: On  
RF Drive Mode: Preset  
Excitation Mode: Selective  
Fat Shift DIR: Normal (I)

---

**SCAN TIMING**

Flip Angle: 111.0  
TE: 80.0  
Number of Echoes: 1  
TR: 3000.0  
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
User CV41:	None
TR Min:	3000.0
TR Max:	8500.0

---

**Non-Viewable Parameters**

ñ