

# WRIST Pain or Scaphoid FX OP SIGNA Artist

## Technical Instructions

-add NPW if by side---

Midline 3pl Loc

Ax T1 DL

Ax T2 Fat DL

Cor PD DL

Cor T2 cl fat DL

Sag T2 cl fat DL

---Pain---

Cor T2 Cube FS DL

---Scaphoid Fx OP---

Sag T1 DL

Cor oZTEo MR Bone

# Midline 3pl Loc

Details tab

Protocol notes

## Midline 3pl Loc

### PATIENT POSITION

Coil Configuration: QED16chHandWrist  
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: 1.00

## **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
------------------	----

---

## **OTHERS**

Anatomical Region:	Wrist joint
--------------------	-------------

---

## **USER CVS**

User CV1:	1.00
User CV39:	1.00

Details tab

Protocol notes

---

## Ax T1 DL

### PATIENT POSITION

Coil Configuration:	QED16chHandWrist
Plane:	AXIAL

---

### 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:	10.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
No Phase Wrap:	1.00

---

## **ACQ TIMING**

Acq Voxel Size:	0.3 X 0.4 X 3.0
Freq:	288
Phase:	256
Freq DIR:	R/L
NEX:	1.00
Phase FOV:	0.80
Auto Shim:	Auto
Phase Correct:	On
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:	600.0
Echo Train Length:	3
Receiver Bandwidth:	41.67

---

## **CONTRAST**

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

---

## **OTHERS**

Anatomical Region:	Wrist joint
--------------------	-------------

---

<b>User CV6:</b>	<b>None</b>
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00

---

## Non-Viewable Parameters

ñ

# Ax T2 Fat DL

Details tab

Protocol notes

---

## Ax T2 Fat DL

### PATIENT POSITION

Coil Configuration:	QED16chHandWrist
Plane:	AXIAL

---

### IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, EDR, TRF, Fast, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.25

---

### Image Recon

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

---

### SCAN RANGE

FOV:	10.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
No Phase Wrap:	1.00

## **ACQ TIMING**

Acq Voxel Size:	0.3 X 0.4 X 3.0
Freq:	288
Phase:	256
Freq DIR:	R/L
NEX:	2.00
Phase FOV:	0.80
Auto Shim:	Auto
Phase Correct:	On
Flow Comp Direction:	Slice
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

---

## **SCAN TIMING**

Flip Angle:	160.0
TE:	68.0
Number of Echoes:	1
TR:	2752.0
Echo Train Length:	12
Receiver Bandwidth:	41.67

---

## **CONTRAST**

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

---

## **OTHERS**

Anatomical Region:	Wrist joint
--------------------	-------------

---

## **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
TR Min:	3000.0
TR Max:	10000.0

---

**Non-Viewable Parameters**

ñ

# Cor PD DL

Details tab

Protocol notes

---

## Cor PD DL

### PATIENT POSITION

Coil Configuration:	QED16chHandWrist
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:	10.0
Slice Thickness:	2.00
Slice Spacing:	0.2
Overlap Locations:	0
Number of Slices:	22

**No Phase Wrap:** 1.00

---

### **ACQ TIMING**

Acq Voxel Size: 0.3 X 0.3 X 2.0  
Freq: 356  
Phase: 356  
Freq DIR: S/I  
NEX: 1.00  
# 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)

---

### **SCAN TIMING**

Flip Angle: 160.0  
TE: 20.0  
Number of Echoes: 1  
TR: 1500.0  
Echo Train Length: 6  
Receiver Bandwidth: 62.50

---

### **CONTRAST**

Contrast Yes/No: No

---

### **OTHERS**

**Anatomical Region:**

**Wrist 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:	1500.0
TR Max:	2000.0

---

**Non-Viewable Parameters**

ñ

# Cor T2 cl fat DL

Details tab

Protocol notes

---

## Cor T2 cl fat DL

### PATIENT POSITION

Coil Configuration:	QED16chHandWrist
Plane:	OBLIQUE

---

### IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, EDR, TRF, Fast, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.25

---

### Image Recon

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

---

### SCAN RANGE

FOV:	10.0
Slice Thickness:	2.00
Slice Spacing:	0.2
Overlap Locations:	0
Number of Slices:	19

**No Phase Wrap:** 1.00

---

**ACQ TIMING**

Acq Voxel Size: 0.3 X 0.4 X 2.0  
Freq: 288  
Phase: 256  
Freq DIR: S/I  
NEX: 2.00  
# of Acq. Before Pause: 0  
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 (I)

---

**SCAN TIMING**

Flip Angle: 160.0  
TE: 68.0  
Number of Echoes: 1  
TR: 3000.0  
Echo Train Length: 12  
Receiver Bandwidth: 41.67

---

**CONTRAST**

Contrast Yes/No: No

---

## **OTHERS**

Anatomical Region: Wrist joint

---

## **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**

ñ

# Sag T2 cl fat DL

Details tab

Protocol notes

---

## Sag T2 cl fat DL

### PATIENT POSITION

Coil Configuration:	QED16chHandWrist
Plane:	OBLIQUE

---

### IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, EDR, TRF, Fast, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.25

---

### Image Recon

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

---

### SCAN RANGE

FOV:	10.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
Number of Slices:	13

**No Phase Wrap:** 1.00

---

### **ACQ TIMING**

Acq Voxel Size: 0.3 X 0.4 X 3.0  
Freq: 288  
Phase: 256  
Freq DIR: S/I  
NEX: 2.00  
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 (I)

---

### **SCAN TIMING**

Flip Angle: 160.0  
TE: 68.0  
Number of Echoes: 1  
TR: 3200.0  
Echo Train Length: 12  
Receiver Bandwidth: 41.67

---

### **CONTRAST**

Contrast Yes/No: No

---

### **OTHERS**

**Anatomical Region:**

**Wrist joint**

---

**SAT**

Fat/Water Saturation:

Fat Classic

---

**USER CVS**

User CV6:	None
User CV7:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV26:	1.00

---

**Non-Viewable Parameters**

ñ

# ---Pain---

Details tab

Protocol notes

## ---Pain---

### PATIENT POSITION

Coil Configuration: QED16chHandWrist

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: 24.0

Slice Thickness: 4.0

Slice Spacing: 5.0

No Phase Wrap: 1.00

### ACQ TIMING

Acq Voxel Size: 0.9 X 1.9 X 4.0

Freq: 256

<b>Phase:</b>	<b>128</b>
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off

---

### **CONTRAST**

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

---

### **OTHERS**

Anatomical Region:	Wrist joint
--------------------	-------------

---

### **GATING/TRIGGER**

Auto Trigger Type:	Off
--------------------	-----

---

### **USER CVS**

TR Min:	-
TR Max:	-

---

**Non-Viewable Parameters**

ñ

# Cor T2 Cube FS DL

Details tab

Protocol notes

---

## Cor T2 Cube FS DL

### PATIENT POSITION

Coil Configuration:	QED16chHandWrist
Plane:	OBLIQUE

---

### IMAGING PARAMETERS

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

---

### Image Recon

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

---

### SCAN RANGE

FOV:	10.0
Slice Thickness:	0.30
Slices per Slab:	152
Overlap Locations:	0
Number of Slices:	1

<b>No Slab Wrap:</b>	<b>1.05</b>
No Phase Wrap:	1.00
Slice Resolution(%):	50.00

---

### **ACQ TIMING**

Acq Voxel Size:	0.4 X 0.5 X 0.6
Freq:	256
Phase:	192
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**

TE:	35.0
Number of Echoes:	1
TR:	2000.0
Echo Train Length:	30
Receiver Bandwidth:	62.50

---

### **TRACKER**

Tracker Length:	200.0
Tracker Thickness:	20.0

---

## **CONTRAST**

Contrast Yes/No: No

---

## **OTHERS**

3D Geometry Correction: Off

Anatomical Region: Wrist joint

---

## **SAT**

Fat/Water Saturation: Fat

---

## **USER CVS**

User CV5: 0.80

User CV12: 70.00

User CV22: 1.00

User CV32: 1.00

User CV34: 100.00

---

**Non-Viewable Parameters**

ñ

# ---Scaphoid Fx OP---

Details tab

Protocol notes

---

## ---Scaphoid Fx OP---

### PATIENT POSITION

Coil Configuration: QED16chHandWrist

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: 24.0

Slice Thickness: 4.0

Slice Spacing: 5.0

No Phase Wrap: 1.00

---

### ACQ TIMING

Acq Voxel Size: 0.9 X 1.9 X 4.0

Freq: 256

<b>Phase:</b>	<b>128</b>
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off

---

### **CONTRAST**

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

---

### **OTHERS**

Anatomical Region:	Wrist joint
--------------------	-------------

---

### **GATING/TRIGGER**

Auto Trigger Type:	Off
--------------------	-----

---

### **USER CVS**

TR Min:	-
TR Max:	-

---

**Non-Viewable Parameters**

ñ

# Sag T1 DL

Details tab

Protocol notes

---

## Sag T1 DL

### PATIENT POSITION

Coil Configuration:	QED16chHandWrist
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:	10.0
Slice Thickness:	2.00
Slice Spacing:	0.2
Overlap Locations:	0
Number of Slices:	20

**No Phase Wrap:** 1.00

---

### ACQ TIMING

Acq Voxel Size: 0.3 X 0.4 X 2.0  
Freq: 288  
Phase: 256  
Freq DIR: S/I  
NEX: 1.00  
# 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)

---

### SCAN TIMING

Flip Angle: 160.0  
TE: 20.0  
Number of Echoes: 1  
TR: 525.0  
Echo Train Length: 3  
Receiver Bandwidth: 41.67

---

### CONTRAST

Contrast Yes/No: No

---

### OTHERS

**Anatomical Region:**

**Wrist 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

---

**Non-Viewable Parameters**

ñ

# Cor oZTEo MR Bone

Details tab

Protocol notes

---

## Cor oZTEo MR Bone

### PATIENT POSITION

Coil Configuration: QED16chHandWrist

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: 14.0

Slice Thickness: 1.00

Overlap Locations: 0

No Slab Wrap: 1.00

Slice Resolution(%): 100.00

**ACQ TIMING**

Acq Voxel Size:	0.8 X 0.8 X 1.0
Freq:	180
Freq DIR:	Unswap
NEX:	8.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Spokes Per Segment:	384

---

**SCAN TIMING**

Flip Angle:	2
Number of Echoes:	1
Receiver Bandwidth:	50.00

---

**CONTRAST**

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

---

**OTHERS**

Anatomical Region:	Foot
--------------------	------

---

**GATING/TRIGGER**

Pause After Navigator Prescan:	0
--------------------------------	---

---

**USER CVS**

User CV4:	None
-----------	------

---