

Wrist Arthro SIGNA Architect

Technical Instructions

3-PLANE LOC

+C COR PD Cube FS

+C COR T1 Fat DL

+C COR T2 Fat DL

+C SAG T1 DL

+C AX T1 Fat DL

+C AX T2 Fat DL

--optional--

+C COR FSPGR fat

+C COR FSPGR fat

3-PLANE LOC

Details tab

Protocol notes

3-PLANE LOC

PATIENT POSITION

Coil Configuration:	Neo16chFlexS
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:	30.0
Slice Thickness:	5.00
Slice Spacing:	5.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 1.2 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:	Preset
Excitation Mode:	Selective

SCAN TIMING

TE:	85.0
Number of Echoes:	1
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Wrist joint

USER CVS

User CV1:	1.00
User CV2:	240.00

User CV13:

1.00

Non-Viewable Parameters

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+C COR PD Cube FS

Details tab

Protocol notes

+C COR PD Cube FS

PATIENT POSITION

Coil Configuration:Neo16chFlexS

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:3D

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

Pulse Sequence:Cube

ARC Phase:1.20

ARC Slice:1.00

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:14.0

Slice Thickness:0.50

Slices per Slab:112

Overlap Locations:0

No Slab Wrap:1.07

No Phase Wrap:	1.00
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.6 X 1.0
Freq:	288
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

TE:	30.0
Number of Echoes:	1
TR:	1500.0
Echo Train Length:	35
Receiver Bandwidth:	62.50

TRACKER

Tracker Length:	200.0
Tracker Thickness:	20.0

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Wrist joint

SAT

Fat/Water Saturation:	Fat
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USER CVS

User CV5:	0.70
User CV12:	70.00
User CV22:	1.00
User CV32:	None
User CV34:	100.00
User CV41:	None

Non-Viewable Parameters

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+C COR T1 Fat DL

Details tab

Protocol notes

+C COR T1 Fat DL

PATIENT POSITION

Coil Configuration:	Neo16chFlexS
Plane:	CORONAL

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:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	10.0
Slice Thickness:	2.00
Slice Spacing:	0.2
Overlap Locations:	0
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:	1.50
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (I)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	3
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Wrist joint
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Fat/Water Saturation:

Fat Classic

USER CVS

User CV6:	None
User CV7:	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

Non-Viewable Parameters

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+C COR T2 Fat DL

Details tab

Protocol notes

+C COR T2 Fat DL

PATIENT POSITION

Coil Configuration:Neo16chFlexS

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:EDR, TRF, Fast, FR

Pulse Sequence:FSE-XL

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:15

No Phase Wrap:1.00

ACQ TIMING

Acq Voxel Size:	0.3 X 0.3 X 2.0
Freq:	384
Phase:	288
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111.0
TE:	68.0
Number of Echoes:	1
TR:	3867.0
Echo Train Length:	12
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Wrist joint
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Fat/Water Saturation:***Fat Classic*****USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV26:	1.00
User CV41:	None
TR Min:	2500.0
TR Max:	11000.0

Non-Viewable Parameters

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+C SAG T1 DL

Details tab

Protocol notes

+C SAG T1 DL

PATIENT POSITION

Coil Configuration:Neo16chFlexS

Plane:SAGITTAL

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: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:	224
Freq DIR:	S/I
NEX:	1.50
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	3
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Wrist joint
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USER CVS

User CV6:	None
User CV7:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00
User CV41:	None

Non-Viewable Parameters

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+C AX T1 Fat DL

Details tab

Protocol notes

+C AX T1 Fat DL

PATIENT POSITION

Coil Configuration:	Neo16chFlexS
Plane:	AXIAL

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:	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:	224
Freq DIR:	A/P
NEX:	1.50
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (A)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	3
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Wrist joint
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Fat/Water Saturation:

Fat Classic

USER CVS

User CV6:	None
User CV7:	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

Non-Viewable Parameters

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+C AX T2 Fat DL

Details tab

Protocol notes

+C AX T2 Fat DL

PATIENT POSITION

Coil Configuration:	Neo16chFlexS
Plane:	OBLIQUE

IMAGING PARAMETERS

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

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:	15
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.3 X 0.3 X 3.0
Freq:	384
Phase:	288
Freq DIR:	Unswap
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	0.90
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111.0
TE:	68.0
Number of Echoes:	1
TR:	3500.0
Echo Train Length:	12
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Wrist joint
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SAT

Fat/Water Saturation:	Fat Classic
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USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV26:	1.00
User CV41:	None

Non-Viewable Parameters

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--optional--

Details tab

Protocol notes

--optional--

PATIENT POSITION

Coil Configuration:

Neo16chFlexS

Plane:

3-PLANE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

Seq, EDR, Fast, SS

Pulse Sequence:

Spin Echo

Image Recon

Intensity Correction:

NONE

Intensity Filter:

None

SCAN RANGE

FOV:

30.0

Slice Thickness:

5.0

Slice Spacing:

5.0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:

0.8 X 1.2 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:	Preset
Excitation Mode:	Selective

SCAN TIMING

TE:	85.0
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Wrist joint

GATING/TRIGGER

Auto Trigger Type:	Off
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USER CVS

User CV1:	1.00
User CV2:	240.00

User CV13:	1.00
User CV15:	None
User CV39:	1.00

Non-Viewable Parameters

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+C COR FSPGR fat

Details tab

Protocol notes

+C COR FSPGR fat

PATIENT POSITION

Coil Configuration:	Neo16chFlexS
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, Fast
Pulse Sequence:	SPGR

Image Recon

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

SCAN RANGE

FOV:	12.0
Slice Thickness:	1.20
Slice Spacing:	0.0
Overlap Locations:	0
Number of Slices:	15
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.3 X 0.4 X 1.2
Freq:	384
Phase:	320
Freq DIR:	Unswap
NEX:	2.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	90.0
TE:	In Phase
Number of Echoes:	1
TR:	250.0
Receiver Bandwidth:	31.25

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Wrist joint
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SAT

Fat/Water Saturation:	Fat
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GATING/TRIGGER

Pause After Navigator Prescan: 0

USER CVS

User CV6:	None
User CV8:	None
User CV20:	1.00

Non-Viewable Parameters

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+C COR FSPGR fat

Details tab

Protocol notes

+C COR FSPGR fat

PATIENT POSITION

Coil Configuration: Neo16chFlexS

Plane: OBLIQUE

IMAGING PARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, Fast, ZIP512

Pulse Sequence: SPGR

Image Recon

Intensity Correction: SCENIC

Intensity Filter: None

SCAN RANGE

FOV: 12.0

Slice Thickness: 1.2

Slice Spacing: 0.0

Number of Slices: 15

No Phase Wrap: 1.00

ACQ TIMING

Acq Voxel Size: 0.5 X 0.5 X 1.2

<i>Freq:</i>	256
Phase:	256
Freq DIR:	Unswap
NEX:	2.00
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	25
TE:	14.3
Number of Echoes:	1
TR:	34.0
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Wrist joint
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SAT

Fat/Water Saturation:	Fat
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GATING/TRIGGER

Auto Trigger Type: Off
Pause After Navigator Prescan: 0

Non-Viewable Parameters

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