

Wrist/Hand-Synovitis & Erosions SIGNA Architect

Technical Instructions

3-PLANE LOC

AX T1 DL

AX T2 Fat DL

SAG T2 Fat DL

COR T1 DL

Cor STIR DL

Pre AX T1 Fat DL

+C COR T1 Fat DL

+C AX T1 Fat DL

+C Sag T1 Fat DL

--optional--

Sag T2 PROPELLER

COR T2 cl fat

Cor PD FS PROPELLER

COR PD IDEAL

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, 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:	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
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Details tab

Protocol notes

AX T1 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:	14.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.5 X 3.0
Freq:	288
Phase:	256
Freq DIR:	R/L
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 (L)

SCAN TIMING

Flip Angle:	111.0
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
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 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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AX T2 Fat DL

Details tab

Protocol notes

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:	14.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	15
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 X 3.0
Freq:	320
Phase:	288
Freq DIR:	Unswap
NEX:	1.00
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:	80.0
Number of Echoes:	1
TR:	3500.0
Echo Train Length:	19
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

Non-Viewable Parameters

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SAG T2 Fat DL

Details tab

Protocol notes

SAG 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:	14.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	15
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 X 3.0
Freq:	320
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:	80.0
Number of Echoes:	1
TR:	3500.0
Echo Train Length:	19
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
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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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COR T1 DL

Details tab

Protocol notes

COR T1 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:	14.0
Slice Thickness:	2.00
Slice Spacing:	0.2
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.4 X 0.4 X 2.0
Freq:	384
Phase:	320
Freq DIR:	S/I
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 (I)

SCAN TIMING

Flip Angle:	111.0
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
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 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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Cor STIR DL

Details tab

Protocol notes

Cor STIR DL

PATIENT POSITION

Coil Configuration:	Neo16chFlexS
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, Seq, EDR, TRF, Fast, ARC, IrP
Pulse Sequence:	FSE-XL
PSD Name:	frfse-xl
ARC Phase:	1.50

Image Recon

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

SCAN RANGE

FOV:	14.0
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:	0.4 X 0.6 X 2.0
Freq:	320
Phase:	224
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
Flow Comp Direction:	Freq
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (I)

SCAN TIMING

Flip Angle:	111.0
TE:	44.0
Number of Echoes:	1
TR:	5371.0
TI:	170
Echo Train Length:	8
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Wrist joint
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SAT

SAT Location S:	Default
SAT Location I:	Default

USER CVS

User CV15:	None
User CV18:	None
User CV21:	None
User CV26:	1.00
User CV28:	None
TR Min:	2800.0
TR Max:	15000.0

Non-Viewable Parameters	ñ
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Pre AX T1 Fat DL

Details tab

Protocol notes

Pre 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:	12.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 X 3.0
Freq:	288
Phase:	256
Freq DIR:	A/P
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 (A)

SCAN TIMING

Flip Angle:	111.0
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
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*****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

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:	14.0
Slice Thickness:	2.00
Slice Spacing:	0.2
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.5 X 2.0
Freq:	288
Phase:	256
Freq DIR:	S/I
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 (I)

SCAN TIMING

Flip Angle:	111.0
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

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

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:	12.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 X 3.0
Freq:	288
Phase:	256
Freq DIR:	A/P
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 (A)

SCAN TIMING

Flip Angle:	111.0
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

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

Non-Viewable Parameters

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+C Sag T1 Fat DL

Details tab

Protocol notes

+C Sag T1 Fat 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:	14.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.5 X 3.0
Freq:	288
Phase:	256
Freq DIR:	S/I
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 (S)

SCAN TIMING

Flip Angle:	111.0
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

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

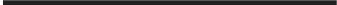
Non-Viewable Parameters

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--optional--

Details tab

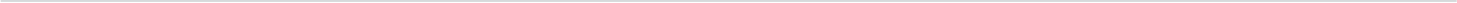
Protocol notes



--optional--

PATIENT POSITION

Coil Configuration:	Neo16chFlexS
Plane:	3-PLANE



IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, EDR, Fast, SS
Pulse Sequence:	Spin Echo

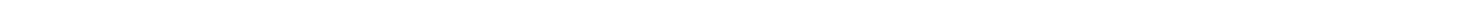
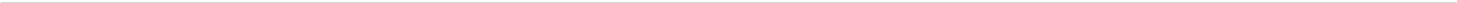


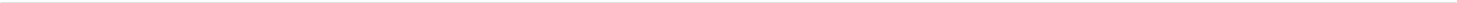
Image Recon

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

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:	1.0
User CV2:	240.00
User CV13:	1.00

TR Min: -
TR Max: -

Non-Viewable Parameters

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Sag T2 PROPELLER

Details tab

Protocol notes

Sag T2 PROPELLER

PATIENT POSITION

Coil Configuration:Neo16chFlexS

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

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

Pulse Sequence:PROPELLER

ARC Phase:2.00

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:12

No Phase Wrap:

2.00

ACQ TIMING

Acq Voxel Size:	0.3 X 0.3 X 3.0
Freq:	320
Freq DIR:	R/L
NEX:	2.00
# of Acq. Before Pause:	0
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	80.0
TE:	99.3
Number of Echoes:	1
TR:	2112.0
Echo Train Length:	24
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Wrist joint
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GATING/TRIGGER

Resp. Trigger Point:	30
Resp. Trigger Window:	10

USER CVS

User CV6:	None
User CV15:	None
User CV26:	1.00
User CV41:	None
TR Min:	400.0
TR Max:	11000.0

Non-Viewable Parameters

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COR T2 cl fat

Details tab

Protocol notes

COR T2 cl fat

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:	14.0
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:	0.4 X 0.5 X 2.0
Freq:	320
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:	80.0
Number of Echoes:	1
TR:	3500.0
Echo Train Length:	19
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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Cor PD FS PROPELLER

Details tab

Protocol notes

Cor PD FS PROPELLER

PATIENT POSITION

Coil Configuration:	Neo16chFlexS
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, FR, ARC
Pulse Sequence:	PROPELLER
ARC Phase:	2.00

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:	12

No Phase Wrap:

2.00

ACQ TIMING

Acq Voxel Size:	0.3 X 0.3 X 3.0
Freq:	288
Freq DIR:	R/L
NEX:	2.00
# of Acq. Before Pause:	0
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	80.0
TE:	63.7
Number of Echoes:	1
TR:	1402.0
Echo Train Length:	16
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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GATING/TRIGGER

Resp. Trigger Point:	30
Resp. Trigger Window:	10

USER CVS

User CV6:	None
User CV15:	None
User CV19:	1.00
User CV26:	1.00
User CV41:	None
TR Min:	400.0
TR Max:	11000.0

Non-Viewable Parameters

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COR PD IDEAL

Details tab

Protocol notes

COR PD IDEAL

PATIENT POSITION

Coil Configuration:Neo16chFlexS

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:TRF, Fast, FR, IDEAL

Pulse Sequence:FSE-XL

IDEAL:3

Image Recon

Intensity Correction:NONE

Intensity Filter:None

SCAN RANGE

FOV:10.0

Slice Thickness:4.0

Slice Spacing:1.0

No Phase Wrap:2.00

ACQ TIMING

Acq Voxel Size:0.3 X 0.5 X 4.0

<i>Freq:</i>	320
Phase:	192
Freq DIR:	Unswap
NEX:	0.50
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature

SCAN TIMING

TE:	30.0
TR:	2000.0
Echo Train Length:	6
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Wrist joint
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GATING/TRIGGER

Auto Trigger Type:	Off
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USER CVS

User CV6:	None
User CV8:	None
User CV9:	None

User CV17:	1.00
User CV21:	None
User CV22:	1.00
TR Min:	-
TR Max:	-

Non-Viewable Parameters	ñ
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