

# ELBOW OSTEO/ABCESS/TUMOR SIGNA Artist

## Technical Instructions

**RT 3PL LOC**

**LT 3PL LOC**

**opt:COR LOC Fast GRE**

**Ax T2 fatsat**

**Ax T1**

**Sag T2 Fat PROPELLER**

**Sag T1 FSE**

**Cor T2 fatsat**

**Cor T1FSE**

**--Tumor ONLY--**

**Pre Ax T1 fatsat**

**--contrast--**

**+C Ax T1 fatsat**

**+C Sag T1 fatsat**

**+C Cor T1 fatsat**

**--optional--**

**Sag T2 fatsat**

# RT 3PL LOC

## RT 3PL LOC

### PATIENT POSITION

Coil Configuration:	Neo16chFlexM
Plane:	3-PLANE

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### IMAGING PARAMETERS

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

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### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
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Tag Type: None

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### USER CVS

User CV1: 1.00  
User CV2: 240.00  
User CV13: 1.00  
User CV16: None  
User CV39: 1.00  
User CV Mask2: 256

---

### DIFFUSION

# Synthetic b-values: 1  
Synthetic b-value: 1000.0;  
Recon All Images: On

---

### SCAN TIMING

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

---

### MULTI-PHASE

Seperate Series: 0  
Mask Phase: 0  
Mask Pause: 0  
Preserve: 0

---

### SCAN RANGE

FOV: 34.0

Slice Thickness:	8.0
Slice Spacing:	5.0
Table Delta:	0.00

---

### **ACQ TIMING**

Freq:	256
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Single
Excitation Mode:	Selective

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### **CONTRAST**

Contrast Yes/No:	No
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### **TRICKS**

Pause On/Off:	On
Auto Subtract:	0

---

### **OTHERS**

Anatomical Region:	Elbow
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# LT 3PL LOC

## LT 3PL LOC

### PATIENT POSITION

Coil Configuration:	Neo16chFlexM
Plane:	3-PLANE

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
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Tag Type: None

---

### **USER CVS**

User CV1: 1.00  
User CV2: 240.00  
User CV13: 1.00  
User CV16: None  
User CV39: 1.00  
User CV Mask2: 256

---

### **DIFFUSION**

# Synthetic b-values: 1  
Synthetic b-value: 1000.0;  
Recon All Images: On

---

### **SCAN TIMING**

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

---

### **MULTI-PHASE**

Seperate Series: 0  
Mask Phase: 0  
Mask Pause: 0  
Preserve: 0

---

### **SCAN RANGE**

FOV: 34.0

Slice Thickness:	8.0
Slice Spacing:	5.0
Table Delta:	0.00

---

### **ACQ TIMING**

Freq:	256
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Single
Excitation Mode:	Selective

---

### **CONTRAST**

Contrast Yes/No:	No
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---

### **TRICKS**

Pause On/Off:	On
Auto Subtract:	0

---

### **OTHERS**

Anatomical Region:	Elbow
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# opt:COR LOC Fast GRE

## opt:COR LOC Fast GRE

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------



Tag Type: None

---

### **DIFFUSION**

Recon All Images: On

---

### **SCAN TIMING**

Flip Angle: 20  
TE: Minimum  
Number of Echoes: 1  
TR: 51.0  
Receiver Bandwidth: 31.25

---

### **GATING/TRIGGER**

Auto Trigger Type: Off

---

### **MULTI-PHASE**

Seperate Series: 0  
Mask Phase: 0  
Mask Pause: 0

---

### **SCAN RANGE**

FOV: 24.0  
Slice Thickness: 5.0  
Slice Spacing: 1.5  
Table Delta: 0.00

---

### **ACQ TIMING**

Freq: 128  
Phase: 128

Freq DIR:	Unswap
NEX:	1.00
Auto Shim:	Auto
Phase Correct:	Off

---

### **CONTRAST**

Contrast Yes/No:	No
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---

### **TRICKS**

Pause On/Off:	On
Auto Subtract:	0

---

### **USER CVS**

TR Min:	-
TR Max:	-

---

### **OTHERS**

Anatomical Region:	Elbow
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# Ax T2 fatsat

## Ax T2 fatsat

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------

Tag Type:	None
Fat/Water Saturation:	Fat

---

### **USER CVS**

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV19:	1.00
User CV21:	None
TR Min:	3000
TR Max:	10000

---

### **DIFFUSION**

Recon All Images:	On
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---

### **SCAN TIMING**

TE:	68.0
Number of Echoes:	1
TR:	2149.0
Echo Train Length:	8
Receiver Bandwidth:	19.23
Flip Angle:	160

---

### **GATING/TRIGGER**

Auto Trigger Type:	Off
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---

## MULTI-PHASE

Seperate Series:	0
Mask Phase:	0
Mask Pause:	0

---

## SCAN RANGE

FOV:	14.0
Slice Thickness:	3.0
Slice Spacing:	1.5
Table Delta:	0.00

---

## ACQ TIMING

Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Auto Shim:	Auto
Phase Correct:	On

---

## CONTRAST

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

---

## TRICKS

Pause On/Off:	On
Auto Subtract:	0

---

## OTHERS

Anatomical Region:	Elbow
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# Ax T1

## Ax T1

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
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Tag Type: None

---

### **USER CVS**

User CV6: None

User CV7: None

User CV8: None

User CV9: None

User CV15: None

User CV21: None

TR Min: 300

TR Max: 750

---

### **DIFFUSION**

Recon All Images: On

---

### **SCAN TIMING**

TE: 20.0

Number of Echoes: 1

TR: 478.0

Echo Train Length: 3

Receiver Bandwidth: 19.23

Flip Angle: 160

---

### **GATING/TRIGGER**

Auto Trigger Type: Off

---

### **MULTI-PHASE**

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

---

### SCAN RANGE

FOV: 14.0

Slice Thickness: 3.0

Slice Spacing: 1.5

Table Delta: 0.00

---

### ACQ TIMING

Freq: 256

Phase: 224

Freq DIR: Unswap

NEX: 1.00

Auto Shim: Auto

Phase Correct: Off

---

### CONTRAST

Contrast Yes/No: No

---

### TRICKS

Pause On/Off: On

Auto Subtract: 0

---

### OTHERS

Anatomical Region: Elbow



# Sag T2 Fat PROPELLER

## Sag T2 Fat PROPELLER

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	GE3chShoulder

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
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Tag Type:	None
Fat/Water Saturation:	Fat

---

### **USER CVS**

User CV5:	None
User CV6:	None
User CV15:	None
User CV16:	None
User CV19:	0.80
User CV22:	1.00
User CV39:	1.00
User CV Mask2:	256
TR Min:	2500.0
TR Max:	8000.0

---

### **DIFFUSION**

Multi b-values:	1000.0;
Multi NEX Values:	1;
# Synthetic b-values:	1
Synthetic b-value:	1000.0;
Recon All Images:	On

---

### **SCAN TIMING**

Flip Angle:	120
TE:	80.0
Number of Echoes:	1
TR:	3057.0
Echo Train Length:	19

Receiver Bandwidth: 31.25

---

### **GATING/TRIGGER**

Auto Trigger Type: Off

---

### **MULTI-PHASE**

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

Preserve: 0

---

### **SCAN RANGE**

FOV: 14.0

Slice Thickness: 3.0

Slice Spacing: 1.0

Number of Slices: 17

Table Delta: 0.00

---

### **ACQ TIMING**

Freq: 288

Freq DIR: S/I

NEX: 2.00

Auto Shim: Auto

Phase Correct: Off

RF Drive Mode: Single

Excitation Mode: Selective

Fat Shift DIR: Normal (I)

---

### **CONTRAST**

Contrast Yes/No: No

---

**TRICKS**

Pause On/Off: On

Auto Subtract: 0

---

**OTHERS**

Anatomical Region: Shoulder

# Sag T1 FSE

## Sag T1 FSE

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
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---

Tag Type: None

---

### **USER CVS**

User CV6: None

User CV7: None

User CV8: None

User CV9: None

User CV15: None

User CV21: None

TR Min: -

TR Max: -

---

### **DIFFUSION**

Recon All Images: On

---

### **SCAN TIMING**

TE: 20.0

Number of Echoes: 1

TR: 511.0

Echo Train Length: 3

Receiver Bandwidth: 19.23

Flip Angle: 160

---

### **GATING/TRIGGER**

Auto Trigger Type: Off

---

### **MULTI-PHASE**

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

---

### SCAN RANGE

FOV: 14.0

Slice Thickness: 3.0

Slice Spacing: 1.5

Table Delta: 0.00

---

### ACQ TIMING

Freq: 256

Phase: 224

Freq DIR: Unswap

NEX: 1.00

Auto Shim: Auto

Phase Correct: On

---

### CONTRAST

Contrast Yes/No: No

---

### TRICKS

Pause On/Off: On

Auto Subtract: 0

---

### OTHERS

Anatomical Region: Elbow

# Cor T2 fatsat

## Cor T2 fatsat

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------



Tag Type:	None
Fat/Water Saturation:	Fat

---

### **USER CVS**

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV19:	1.00
User CV21:	None
TR Min:	3000
TR Max:	10000

---

### **DIFFUSION**

Recon All Images:	On
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---

### **SCAN TIMING**

TE:	68.0
Number of Echoes:	1
TR:	2149.0
Echo Train Length:	8
Receiver Bandwidth:	19.23
Flip Angle:	160

---

### **GATING/TRIGGER**

Auto Trigger Type:	Off
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---

## MULTI-PHASE

Seperate Series:	0
Mask Phase:	0
Mask Pause:	0

---

## SCAN RANGE

FOV:	14.0
Slice Thickness:	3.0
Slice Spacing:	1.5
Table Delta:	0.00

---

## ACQ TIMING

Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Auto Shim:	Auto
Phase Correct:	On

---

## CONTRAST

Contrast Yes/No:	No
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---

## TRICKS

Pause On/Off:	On
Auto Subtract:	0

---

## OTHERS

Anatomical Region:	Elbow
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# Cor T1FSE

## Cor T1FSE

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------

Tag Type: None

---

### **USER CVS**

User CV6: None

User CV7: None

User CV8: None

User CV9: None

User CV15: None

User CV21: None

TR Min: -

TR Max: -

---

### **DIFFUSION**

Recon All Images: On

---

### **SCAN TIMING**

TE: 20.0

Number of Echoes: 1

TR: 511.0

Echo Train Length: 3

Receiver Bandwidth: 19.23

Flip Angle: 160

---

### **GATING/TRIGGER**

Auto Trigger Type: Off

---

### **MULTI-PHASE**

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

---

### SCAN RANGE

FOV: 14.0

Slice Thickness: 3.0

Slice Spacing: 1.5

Table Delta: 0.00

---

### ACQ TIMING

Freq: 256

Phase: 224

Freq DIR: Unswap

NEX: 1.00

Auto Shim: Auto

Phase Correct: On

---

### CONTRAST

Contrast Yes/No: No

---

### TRICKS

Pause On/Off: On

Auto Subtract: 0

---

### OTHERS

Anatomical Region: Elbow

# --Tumor ONLY--

## --Tumor ONLY--

### PATIENT POSITION

Plane:	3-PLANE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------

Tag Type: None

---

### **USER CVS**

User CV1: 1.0  
User CV2: 240.00  
TR Min: -  
TR Max: -

---

### **DIFFUSION**

Recon All Images: On

---

### **SCAN TIMING**

TE: Minimum  
TR: Minimum  
Receiver Bandwidth: 83.33

---

### **GATING/TRIGGER**

Auto Trigger Type: Off

---

### **MULTI-PHASE**

Seperate Series: 0  
Mask Phase: 0  
Mask Pause: 0

---

### **SCAN RANGE**

FOV: 34.0  
Slice Thickness: 8.0  
Slice Spacing: 5.0

Table Delta: 0.00

---

**ACQ TIMING**

Freq: 256  
Phase: 128  
Freq DIR: Unswap  
# of Acq. Before Pause: 0  
Phase FOV: 1.00  
Auto Shim: Auto  
Phase Correct: Off

---

**CONTRAST**

Contrast Yes/No: No

---

**TRICKS**

Pause On/Off: On  
Auto Subtract: 0

---

**OTHERS**

Anatomical Region: Elbow



# Pre Ax T1 fatsat

## Pre Ax T1 fatsat

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------

Tag Type:	None
Fat/Water Saturation:	Fat

---

### **USER CVS**

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV17:	1.00
User CV19:	1.00
User CV21:	None
User CV Mask2:	0
TR Min:	300.0
TR Max:	750.0

---

### **DIFFUSION**

Recon All Images:	On
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---

### **SCAN TIMING**

Flip Angle:	160
TE:	20.0
Number of Echoes:	1
TR:	300.0
Echo Train Length:	4
Receiver Bandwidth:	19.23

---

### **GATING/TRIGGER**

Auto Trigger Type: Off

---

### **MULTI-PHASE**

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

---

### **SCAN RANGE**

FOV: 14.0

Slice Thickness: 3.0

Slice Spacing: 1.5

Table Delta: 0.00

---

### **ACQ TIMING**

Freq: 256

Phase: 224

Freq DIR: Unswap

NEX: 0.50

Auto Shim: Auto

Phase Correct: Off

RF Drive Mode: Single

Excitation Mode: Selective

---

### **CONTRAST**

Contrast Yes/No: No

---

### **TRICKS**

Pause On/Off: On

Auto Subtract:

0

---

**OTHERS**

Anatomical Region:

Elbow

# --contrast--

## --contrast--

### PATIENT POSITION

Plane:	3-PLANE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------

Tag Type: None

---

### **USER CVS**

User CV1: 1.0  
User CV2: 240.00  
TR Min: -  
TR Max: -

---

### **DIFFUSION**

Recon All Images: On

---

### **SCAN TIMING**

TE: Minimum  
TR: Minimum  
Receiver Bandwidth: 83.33

---

### **GATING/TRIGGER**

Auto Trigger Type: Off

---

### **MULTI-PHASE**

Seperate Series: 0  
Mask Phase: 0  
Mask Pause: 0

---

### **SCAN RANGE**

FOV: 34.0  
Slice Thickness: 8.0  
Slice Spacing: 5.0

Table Delta: 0.00

---

### ACQ TIMING

Freq: 256  
Phase: 128  
Freq DIR: Unswap  
# of Acq. Before Pause: 0  
Phase FOV: 1.00  
Auto Shim: Auto  
Phase Correct: Off

---

### CONTRAST

Contrast Yes/No: No

---

### TRICKS

Pause On/Off: On  
Auto Subtract: 0

---

### OTHERS

Anatomical Region: Elbow

# +C Ax T1 fatsat

## +C Ax T1 fatsat

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	SCENIC

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------



Tag Type:	None
Fat/Water Saturation:	Fat

---

### **USER CVS**

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV19:	1.00
User CV21:	None
TR Min:	300
TR Max:	750

---

### **DIFFUSION**

Recon All Images:	On
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---

### **SCAN TIMING**

TE:	20.0
Number of Echoes:	1
TR:	523.0
Echo Train Length:	4
Receiver Bandwidth:	19.23
Flip Angle:	160

---

### **GATING/TRIGGER**

Auto Trigger Type:	Off
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---

## MULTI-PHASE

Seperate Series:	0
Mask Phase:	0
Mask Pause:	0

---

## SCAN RANGE

FOV:	14.0
Slice Thickness:	3.0
Slice Spacing:	1.5
Table Delta:	0.00

---

## ACQ TIMING

Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Auto Shim:	Auto
Phase Correct:	Off

---

## CONTRAST

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

---

## TRICKS

Pause On/Off:	On
Auto Subtract:	0

---

## OTHERS

Anatomical Region:	Elbow
--------------------	-------

# +C Sag T1 fatsat

## +C Sag T1 fatsat

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------

Tag Type:	None
Fat/Water Saturation:	Fat

---

### **USER CVS**

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV19:	1.00
User CV21:	None
TR Min:	300
TR Max:	750

---

### **DIFFUSION**

Recon All Images:	On
-------------------	----

---

### **SCAN TIMING**

TE:	20.0
Number of Echoes:	1
TR:	523.0
Echo Train Length:	4
Receiver Bandwidth:	19.23
Flip Angle:	160

---

### **GATING/TRIGGER**

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

---

## MULTI-PHASE

Seperate Series:	0
Mask Phase:	0
Mask Pause:	0

---

## SCAN RANGE

FOV:	14.0
Slice Thickness:	3.0
Slice Spacing:	1.5
Table Delta:	0.00

---

## ACQ TIMING

Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Auto Shim:	Auto
Phase Correct:	On

---

## CONTRAST

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

---

## TRICKS

Pause On/Off:	On
Auto Subtract:	0

---

## OTHERS

Anatomical Region:	Elbow
--------------------	-------

# +C Cor T1 fatsat

## +C Cor T1 fatsat

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------

Tag Type:	None
Fat/Water Saturation:	Fat

---

### **USER CVS**

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV19:	1.00
User CV21:	None
TR Min:	-
TR Max:	-

---

### **DIFFUSION**

Recon All Images:	On
-------------------	----

---

### **SCAN TIMING**

TE:	20.0
Number of Echoes:	1
TR:	725.0
Echo Train Length:	4
Receiver Bandwidth:	19.23
Flip Angle:	160

---

### **GATING/TRIGGER**

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

---

## MULTI-PHASE

Seperate Series:	0
Mask Phase:	0
Mask Pause:	0

---

## SCAN RANGE

FOV:	14.0
Slice Thickness:	3.0
Slice Spacing:	1.5
Table Delta:	0.00

---

## ACQ TIMING

Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Auto Shim:	Auto
Phase Correct:	On

---

## CONTRAST

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

---

## TRICKS

Pause On/Off:	On
Auto Subtract:	0

---

## OTHERS

Anatomical Region:	Elbow
--------------------	-------



# --optional--

## --optional--

### PATIENT POSITION

Plane:	3-PLANE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------

Tag Type:

None

---

### **USER CVS**

User CV1: 1.00  
User CV2: 240.00  
User CV13: 1.00  
User CV16: None  
User CV Mask2: 0

---

### **DIFFUSION**

# Synthetic b-values: 1  
Synthetic b-value: 1000.0;  
Recon All Images: On

---

### **SCAN TIMING**

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

---

### **GATING/TRIGGER**

Auto Trigger Type: Off

---

### **MULTI-PHASE**

Seperate Series: 0  
Mask Phase: 0  
Mask Pause: 0  
Preserve: 0

---

## SCAN RANGE

FOV:	30.0
Slice Thickness:	8.0
Slice Spacing:	5.0
Table Delta:	0.00

---

## ACQ TIMING

Freq:	256
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Single
Excitation Mode:	Selective

---

## CONTRAST

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

---

## TRICKS

Pause On/Off:	On
Auto Subtract:	0

---

## OTHERS

Anatomical Region:	Elbow
--------------------	-------

# Sag T2 fatsat

## Sag T2 fatsat

### PATIENT POSITION

Plane:	OBLIQUE
Coil Configuration:	Neo16chFlexM

---

### IMAGING PARAMETERS

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

---

### Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

---

### FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

---

### SAT

Tag Spacing:	None
--------------	------

Tag Type:	None
Fat/Water Saturation:	Fat

---

### **USER CVS**

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00
User CV Mask2:	0

---

### **DIFFUSION**

# Synthetic b-values:	1
Synthetic b-value:	1000.0;
Recon All Images:	On

---

### **SCAN TIMING**

Flip Angle:	160
TE:	68.0
Number of Echoes:	1
TR:	2250.0
Echo Train Length:	8
Receiver Bandwidth:	19.23

---

## GATING/TRIGGER

Auto Trigger Type: Off

---

## MULTI-PHASE

Seperate Series: 0  
Mask Phase: 0  
Mask Pause: 0  
Preserve: 0

---

## SCAN RANGE

FOV: 14.0  
Slice Thickness: 3.0  
Slice Spacing: 1.5  
Table Delta: 0.00

---

## ACQ TIMING

Freq: 256  
Phase: 224  
Freq DIR: Unswap  
NEX: 1.00  
Auto Shim: Auto  
Phase Correct: On  
RF Drive Mode: Single  
Excitation Mode: Selective  
Fat Shift DIR: Normal

---

## CONTRAST

Contrast Yes/No: No

---

## TRICKS

Pause On/Off: On

Auto Subtract: 0

---

## OTHERS

Anatomical Region: Elbow