

McLeod Pavilion

Protocol: adult_upperExtremities_MSK Humerus

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	Body	Imaging Options	NPW, Seq, EDR, Fast, SS, ARC
Plane	3-PLANE		
Series Description	3 Plane Localizer		
SCAN TIMING		SCAN RANGE	
TE	80.0	FOV	48.0
Number of Echoes	1	Slice Thickness	5.0
TR	Minimum	Slice Spacing	5.0
Receiver Bandwidth	83.33		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	384
		Phase	256
		Freq DIR	Unswap
		# of Acq. Before Pause	0
GATING/TRIGGER		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
		Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	User CV2	240.00
View Order	Bottom/Up	User CV13	1.00
# of Repetitions REST	0		
# of Repetitions ACTIVE	0		
SAT		MULTI-PHASE	
Tag Type	None	Seperate Series	0
		Mask Phase	0
		Mask Pause	0
TRICKS		DIFFUSION	
Pause On/Off	On	Recon All Images	On
Auto Subtract	0		
Auto SCIC	Off	CONTRAST	
		Contrast Yes/No	No

3 Plane Localizer

3 Plane Localizer

McLeod Pavilion

Protocol: adult_upperExtremities_MSK Humerus

AX T1 FSE	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
	Coil Configuration	<i>Body</i>	Imaging Options	<i>NPW, EDR, TRF, Fast</i>
	Plane	<i>OBLIQUE</i>	SCAN RANGE	
	Series Description	<i>AX T1 FSE</i>	FOV	<i>18.0</i>
	SCAN TIMING		Slice Thickness	<i>4.0</i>
	Flip Angle	<i>111</i>	Slice Spacing	<i>1.0</i>
	TE	<i>Min Full</i>	ACQ TIMING	
	Number of Echoes	<i>1</i>	Freq	<i>320</i>
	TR	<i>595.0</i>	Phase	<i>224</i>
	Echo Train Length	<i>2</i>	Freq DIR	<i>R/L</i>
	Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (L)</i>
	IMAGE ENHANCE		NEX	<i>1.00</i>
	Filter Choice	<i>B</i>	# of Acq. Before Pause	<i>0</i>
	GATING/TRIGGER		Auto Shim	<i>Auto</i>
	Auto Trigger Type	<i>Off</i>	Phase Correction	<i>Yes</i>
	FMRI		USER CVS	
	PSD Trigger	<i>Internal</i>	User CV8	<i>1.00</i>
	View Order	<i>Bottom/Up</i>	User CV16	<i>1.00</i>
# of Repetitions REST	<i>0</i>	User CV17	<i>1.00</i>	
# of Repetitions ACTIVE	<i>0</i>	TR Min	<i>400.0</i>	
SAT		TR Max	<i>850.0</i>	
Tag Type	<i>None</i>	MULTI-PHASE		
TRICKS		Seperate Series	<i>0</i>	
Pause On/Off	<i>On</i>	Mask Phase	<i>0</i>	
Auto Subtract	<i>0</i>	Mask Pause	<i>0</i>	
Auto SCIC	<i>2</i>	DIFFUSION		
OTHERS		Recon All Images	<i>On</i>	
Protocol Notes	<i>MAKE SURE OPPOSITE FOOT IS AWAY FROM COIL TO AVOID WRAP.</i>	CONTRAST		
		Contrast Yes/No	<i>No</i>	

AX T1 FSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
Coil Configuration	<i>Body</i>	Imaging Options	<i>NPW, Seq, TRF, Fast, IrP</i>
Plane	<i>OBLIQUE</i>	PSD Name	<i>fse-xl</i>
Series Description	<i>AX FSE STIR</i>	SCAN RANGE	
SCAN TIMING		FOV	<i>18.0</i>
Flip Angle	<i>111</i>	Slice Thickness	<i>4.0</i>
TE	<i>50.0</i>	Slice Spacing	<i>1.0</i>
Number of Echoes	<i>1</i>	ACQ TIMING	
TR	<i>3327.0</i>	Freq	<i>320</i>
TI	<i>170</i>	Phase	<i>192</i>
Echo Train Length	<i>7</i>	Freq DIR	<i>Unswap</i>
Receiver Bandwidth	<i>15.63</i>	Fat Shift DIR	<i>Normal</i>
IMAGE ENHANCE		NEX	<i>2.00</i>
Filter Choice	<i>None</i>	Auto Shim	<i>Auto</i>
GATING/TRIGGER		Phase Correction	<i>Yes</i>
Auto Trigger Type	<i>Off</i>	USER CVS	
FMRI		User CV22	<i>1.00</i>
PSD Trigger	<i>Internal</i>	TR Min	<i>2000.0</i>
View Order	<i>Bottom/Up</i>	TR Max	<i>15000.0</i>
# of Repetitions REST	<i>0</i>	MULTI-PHASE	
# of Repetitions ACTIVE	<i>0</i>	Seperate Series	<i>0</i>
SAT		Mask Phase	<i>0</i>
Tag Type	<i>None</i>	Mask Pause	<i>0</i>
TRICKS		DIFFUSION	
Pause On/Off	<i>On</i>	Recon All Images	<i>On</i>
Auto Subtract	<i>0</i>	CONTRAST	
Auto SCIC	<i>Off</i>	Contrast Yes/No	<i>No</i>

AX FSE STIR

AX FSE STIR

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
Coil Configuration	<i>Body</i>	Imaging Options	<i>NPW, EDR, TRF, Fast, ARC</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>COR T1 FSE</i>	FOV	<i>30.0</i>
SCAN TIMING		Slice Thickness	<i>4.0</i>
Flip Angle	<i>111</i>	Slice Spacing	<i>0.5</i>
TE	<i>Min Full</i>	ACQ TIMING	
Number of Echoes	<i>1</i>	Freq	<i>416</i>
TR	<i>500.0</i>	Phase	<i>288</i>
Echo Train Length	<i>3</i>	Freq DIR	<i>S/I</i>
Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (S)</i>
IMAGE ENHANCE		NEX	<i>2.00</i>
Filter Choice	<i>A</i>	# of Acq. Before Pause	<i>0</i>
GATING/TRIGGER		Auto Shim	<i>Auto</i>
Auto Trigger Type	<i>Off</i>	Phase Correction	<i>Yes</i>
FMRI		USER CVS	
PSD Trigger	<i>Internal</i>	User CV8	<i>1.00</i>
View Order	<i>Bottom/Up</i>	User CV22	<i>1.00</i>
# of Repetitions REST	<i>0</i>	TR Min	<i>500.0</i>
# of Repetitions ACTIVE	<i>0</i>	TR Max	<i>850.0</i>
SAT		MULTI-PHASE	
SAT Location	<i>S</i>	Seperate Series	<i>0</i>
SAT Location	<i>I</i>	Mask Phase	<i>0</i>
Tag Type	<i>None</i>	Mask Pause	<i>0</i>
TRICKS		DIFFUSION	
Pause On/Off	<i>On</i>	Recon All Images	<i>On</i>
Auto Subtract	<i>0</i>	CONTRAST	
Auto SCIC	<i>2</i>	Contrast Yes/No	<i>No</i>

COR T1 FSE

COR T1 FSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Body	Imaging Options	NPW, Seq, EDR, TRF, Fast, ARC, IrP
Plane	CORONAL	PSD Name	fse-xl
Series Description	COR STIR		
SCAN TIMING		SCAN RANGE	
Flip Angle	111	FOV	30.0
TE	50.0	Slice Thickness	4.0
Number of Echoes	1	Slice Spacing	0.5
TR	7137.0		
TI	170	ACQ TIMING	
Echo Train Length	11	Freq	320
Receiver Bandwidth	31.25	Phase	224
IMAGE ENHANCE		Freq DIR	S/I
Filter Choice	None	Fat Shift DIR	Normal (I)
GATING/TRIGGER		NEX	2.00
Auto Trigger Type	Off	Auto Shim	Auto
FMRI		Phase Correction	Yes
PSD Trigger	Internal	USER CVS	
View Order	Bottom/Up	User CV7	1.00
# of Repetitions REST	0	User CV8	1.00
# of Repetitions ACTIVE	0	User CV17	1.00
SAT		User CV22	1.00
SAT Location	S	TR Min	2000.0
SAT Location	I	TR Max	15000.0
Tag Type	None	MULTI-PHASE	
TRICKS		Seperate Series	0
Pause On/Off	On	Mask Phase	0
Auto Subtract	0	Mask Pause	0
Auto SCIC	Off	DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

COR STIR

COR STIR

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
Coil Configuration	<i>Body</i>	Imaging Options	<i>NPW, EDR, TRF, Fast, ARC</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>SAG T1 FSE</i>	FOV	<i>30.0</i>
SCAN TIMING		Slice Thickness	<i>4.0</i>
Flip Angle	<i>111</i>	Slice Spacing	<i>0.5</i>
TE	<i>Min Full</i>	ACQ TIMING	
Number of Echoes	<i>1</i>	Freq	<i>416</i>
TR	<i>500.0</i>	Phase	<i>288</i>
Echo Train Length	<i>3</i>	Freq DIR	<i>S/I</i>
Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (S)</i>
IMAGE ENHANCE		NEX	<i>2.00</i>
Filter Choice	<i>A</i>	# of Acq. Before Pause	<i>0</i>
GATING/TRIGGER		Auto Shim	<i>Auto</i>
Auto Trigger Type	<i>Off</i>	Phase Correction	<i>Yes</i>
FMRI		USER CVS	
PSD Trigger	<i>Internal</i>	User CV8	<i>1.00</i>
View Order	<i>Bottom/Up</i>	User CV22	<i>1.00</i>
# of Repetitions REST	<i>0</i>	TR Min	<i>500.0</i>
# of Repetitions ACTIVE	<i>0</i>	TR Max	<i>850.0</i>
SAT		MULTI-PHASE	
SAT Location	<i>S</i>	Seperate Series	<i>0</i>
SAT Location	<i>I</i>	Mask Phase	<i>0</i>
Tag Type	<i>None</i>	Mask Pause	<i>0</i>
TRICKS		DIFFUSION	
Pause On/Off	<i>On</i>	Recon All Images	<i>On</i>
Auto Subtract	<i>0</i>	CONTRAST	
Auto SCIC	<i>2</i>	Contrast Yes/No	<i>No</i>

SAG T1 FSE

SAG T1 FSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
Coil Configuration	<i>Body</i>	Imaging Options	<i>NPW, Seq, EDR, TRF, Fast, ARC, IrP</i>
Plane	<i>OBLIQUE</i>	PSD Name	<i>fse-xl</i>
Series Description	<i>Sag STIR</i>		
SCAN TIMING		SCAN RANGE	
Flip Angle	<i>111</i>	FOV	<i>30.0</i>
TE	<i>50.0</i>	Slice Thickness	<i>4.0</i>
Number of Echoes	<i>1</i>	Slice Spacing	<i>0.5</i>
TR	<i>6936.0</i>		
TI	<i>170</i>	ACQ TIMING	
Echo Train Length	<i>11</i>	Freq	<i>320</i>
Receiver Bandwidth	<i>31.25</i>	Phase	<i>224</i>
IMAGE ENHANCE		Freq DIR	<i>Unswap</i>
Filter Choice	<i>None</i>	Fat Shift DIR	<i>Normal</i>
GATING/TRIGGER		NEX	<i>2.00</i>
Auto Trigger Type	<i>Off</i>	Auto Shim	<i>Auto</i>
FMRI		Phase Correction	<i>Yes</i>
PSD Trigger	<i>Internal</i>	USER CVS	
View Order	<i>Bottom/Up</i>	User CV7	<i>1.00</i>
# of Repetitions REST	<i>0</i>	User CV8	<i>1.00</i>
# of Repetitions ACTIVE	<i>0</i>	User CV17	<i>1.00</i>
SAT		User CV22	<i>1.00</i>
Tag Type	<i>None</i>	TR Min	<i>2000.0</i>
TRICKS		TR Max	<i>15000.0</i>
Pause On/Off	<i>On</i>	MULTI-PHASE	
Auto Subtract	<i>0</i>	Seperate Series	<i>0</i>
Auto SCIC	<i>Off</i>	Mask Phase	<i>0</i>
		Mask Pause	<i>0</i>
		DIFFUSION	
		Recon All Images	<i>On</i>
		CONTRAST	
		Contrast Yes/No	<i>No</i>

Sag STIR

Sag STIR

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	Body	Imaging Options	Seq, EDR, Fast, SS
Plane	3-PLANE	SCAN RANGE	
Series Description	*IF CONTRAST*	FOV	40.0
SCAN TIMING		Slice Thickness	5.0
TE	80.0	Slice Spacing	5.0
Number of Echoes	1	ACQ TIMING	
TR	Minimum	Freq	256
Receiver Bandwidth	62.50	Phase	128
IMAGE ENHANCE		Freq DIR	Unswap
Filter Choice	None	# of Acq. Before Pause	0
GATING/TRIGGER		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
FMRI		Phase Correction	No
PSD Trigger	Internal	USER CVS	
View Order	Bottom/Up	User CV2	240.00
# of Repetitions REST	0	User CV13	1.00
# of Repetitions ACTIVE	0	MULTI-PHASE	
SAT		Seperate Series	0
Tag Type	None	Mask Phase	0
TRICKS		Mask Pause	0
Pause On/Off	On	DIFFUSION	
Auto Subtract	0	Recon All Images	On
Auto SCIC	Off	CONTRAST	
		Contrast Yes/No	No

IF CONTRAST

IF CONTRAST

Protocol: adult_upperExtremities_MSK Humerus

+C AX T1 FSE	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
	Coil Configuration	<i>Body</i>	Imaging Options	<i>NPW, EDR, TRF, Fast</i>
	Plane	<i>OBLIQUE</i>	SCAN RANGE	
	Series Description	<i>+C AX T1 FSE</i>	FOV	<i>18.0</i>
	SCAN TIMING		Slice Thickness	<i>4.0</i>
	Flip Angle	<i>111</i>	Slice Spacing	<i>1.0</i>
	TE	<i>Min Full</i>	ACQ TIMING	
	Number of Echoes	<i>1</i>	Freq	<i>320</i>
	TR	<i>829.0</i>	Phase	<i>192</i>
	Echo Train Length	<i>6</i>	Freq DIR	<i>R/L</i>
	Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (L)</i>
	IMAGE ENHANCE		NEX	<i>1.00</i>
	Filter Choice	<i>B</i>	# of Acq. Before Pause	<i>0</i>
	GATING/TRIGGER		Auto Shim	<i>Auto</i>
	Auto Trigger Type	<i>Off</i>	Phase Correction	<i>Yes</i>
	FMRI		USER CVS	
	PSD Trigger	<i>Internal</i>	User CV8	<i>1.00</i>
	View Order	<i>Bottom/Up</i>	User CV16	<i>1.00</i>
	# of Repetitions REST	<i>0</i>	User CV17	<i>1.00</i>
	# of Repetitions ACTIVE	<i>0</i>	User CV19	<i>1.00</i>
	SAT		TR Min	<i>400.0</i>
	Tag Type	<i>None</i>	TR Max	<i>850.0</i>
	Fat/Water Saturation	<i>Fat</i>	MULTI-PHASE	
TRICKS		Seperate Series	<i>0</i>	
Pause On/Off	<i>On</i>	Mask Phase	<i>0</i>	
Auto Subtract	<i>0</i>	Mask Pause	<i>0</i>	
Auto SCIC	<i>2</i>	DIFFUSION		
OTHERS		Recon All Images	<i>On</i>	
Protocol Notes	<i>MAKE SURE OPPOSITE FOOT IS AWAY FROM COIL TO AVOID WRAP.</i>	CONTRAST		
		Contrast Yes/No	<i>Yes</i>	

+C AX T1 FSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Body	Imaging Options	NPW, EDR, TRF, Fast, ARC
Plane	OBLIQUE	SCAN RANGE	
Series Description	+C COR T1 FSE	FOV	30.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	111	Slice Spacing	0.5
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	416
TR	585.0	Phase	288
Echo Train Length	3	Freq DIR	S/I
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (S)
IMAGE ENHANCE		NEX	2.00
Filter Choice	A	# of Acq. Before Pause	0
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	Yes
FMRI		USER CVS	
PSD Trigger	Internal	User CV8	1.00
View Order	Bottom/Up	User CV19	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	500.0
SAT		TR Max	850.0
SAT Location	S	MULTI-PHASE	
SAT Location	I	Seperate Series	0
Tag Type	None	Mask Phase	0
Fat/Water Saturation	Fat	Mask Pause	0
TRICKS		DIFFUSION	
Pause On/Off	On	Recon All Images	On
Auto Subtract	0	CONTRAST	
Auto SCIC	2	Contrast Yes/No	Yes

+C COR T1 FSE

+C COR T1 FSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Body	Imaging Options	NPW, EDR, TRF, Fast, ARC
Plane	OBLIQUE	SCAN RANGE	
Series Description	+C SAG T1 FSE	FOV	30.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	111	Slice Spacing	0.5
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	416
TR	585.0	Phase	288
Echo Train Length	3	Freq DIR	S/I
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (S)
IMAGE ENHANCE		NEX	2.00
Filter Choice	A	# of Acq. Before Pause	0
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	Yes
FMRI		USER CVS	
PSD Trigger	Internal	User CV8	1.00
View Order	Bottom/Up	User CV19	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	500.0
SAT		TR Max	850.0
SAT Location	S	MULTI-PHASE	
SAT Location	I	Seperate Series	0
Tag Type	None	Mask Phase	0
Fat/Water Saturation	Fat	Mask Pause	0
TRICKS		DIFFUSION	
Pause On/Off	On	Recon All Images	On
Auto Subtract	0	CONTRAST	
Auto SCIC	2	Contrast Yes/No	Yes

+C SAG T1 FSE

+C SAG T1 FSE