

McLeod Pavilion

Protocol: adult\_upperExtremities\_MSK RIGHT SHOULDER ARTHROGRAM

3 Plane Localizer Right	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		3 Plane Localizer Right
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	Spin Echo	
	Coil Configuration	Extremity	Imaging Options	Seq, EDR, Fast, SS	
	Plane	3-PLANE	<b>SCAN RANGE</b>		
	Series Description	3 Plane Localizer Right	FOV	28.0	
	<b>SCAN TIMING</b>		Slice Thickness	10.0	
	TE	85.0	Slice Spacing	5.0	
	Number of Echoes	1	<b>ACQ TIMING</b>		
	TR	Minimum	Freq	256	
	Receiver Bandwidth	83.33	Phase	160	
	<b>IMAGE ENHANCE</b>		Freq DIR	Unswap	
	Filter Choice	None	# of Acq. Before Pause	0	
	<b>GATING/TRIGGER</b>		Phase FOV	1.00	
	Auto Trigger Type	Off	Auto Shim	Auto	
	<b>FMRI</b>		Phase Correction	No	
	PSD Trigger	Internal	<b>USER CVS</b>		
	View Order	Bottom/Up	User CV1	1.00	
	# of Repetitions REST	0	User CV2	240.00	
	# of Repetitions ACTIVE	0	User CV13	1.00	
	<b>SAT</b>		<b>MULTI-PHASE</b>		
	Tag Type	None	Seperate Series	0	
	<b>TRICKS</b>		Mask Phase	0	
	Pause On/Off	On	Mask Pause	0	
Auto Subtract	0	<b>DIFFUSION</b>			
Auto SCIC	Off	Recon All Images	On		
		<b>CONTRAST</b>			
		Contrast Yes/No	No		

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	SPGR
Coil Configuration	Extremity	Imaging Options	EDR, Fast, ZIP2, Calib
Plane	AXIAL	<b>SCAN RANGE</b>	
Series Description	Calibration	FOV	25.0
<b>SCAN TIMING</b>		Slice Thickness	10.0
Number of Echoes	1	<b>ACQ TIMING</b>	
<b>IMAGE ENHANCE</b>		Freq DIR	R/L
Filter Choice	None	Auto Shim	Auto
<b>GATING/TRIGGER</b>		Phase Correction	No
Auto Trigger Type	Off	<b>FMRI</b>	
<b>MULTI-PHASE</b>		PSD Trigger	Internal
Seperate Series	0	Slice Order	Interleaved
Mask Phase	0	View Order	Bottom/Up
Mask Pause	0	# of Repetitions REST	0
<b>DIFFUSION</b>		# of Repetitions ACTIVE	0
Recon All Images	On	<b>SAT</b>	
<b>CONTRAST</b>		Tag Type	None
Contrast Yes/No	No	<b>TRICKS</b>	
		Pause On/Off	On
		Auto Subtract	0
		Auto SCIC	Off

Calibration

Calibration

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Cor T1 FSE F/S +C	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		Cor T1 FSE F/S +C
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	FSE-XL	
	Coil Configuration	Extremity	Imaging Options	NPW, EDR, TRF, Fast	
	Plane	OBLIQUE	<b>SCAN RANGE</b>		
	Series Description	Cor T1 FSE F/S +C	FOV	14.0	
	<b>SCAN TIMING</b>		Slice Thickness	3.0	
	Flip Angle	111	Slice Spacing	0.5	
	TE	Min Full	<b>ACQ TIMING</b>		
	Number of Echoes	1	Freq	352	
	TR	667.0	Phase	256	
	Echo Train Length	3	Freq DIR	S/I	
	Receiver Bandwidth	31.25	Fat Shift DIR	Normal (S)	
	<b>IMAGE ENHANCE</b>		NEX	2.00	
	Filter Choice	A	# of Acq. Before Pause	0	
	<b>GATING/TRIGGER</b>		Auto Shim	Auto	
	Auto Trigger Type	Off	Phase Correction	Yes	
	<b>FMRI</b>		<b>USER CVS</b>		
	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	400.0	
	<b>SAT</b>		TR Max	850.0	
	Tag Type	None	<b>MULTI-PHASE</b>		
Fat/Water Saturation	Fat Classic	Seperate Series	0		
<b>TRICKS</b>		Mask Phase	0		
Pause On/Off	On	Mask Pause	0		
Auto Subtract	0	<b>DIFFUSION</b>			
Auto SCIC	2	Recon All Images	On		
		<b>CONTRAST</b>			
		Contrast Yes/No	Yes		

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Cor T2 FSE FS	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		Cor T2 FSE FS
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	FSE-XL	
	Coil Configuration	Extremity	Imaging Options	NPW, EDR, TRF, Fast	
	Plane	OBLIQUE	<b>SCAN RANGE</b>		
	Series Description	Cor T2 FSE FS	FOV	14.0	
	<b>SCAN TIMING</b>		Slice Thickness	3.0	
	Flip Angle	111	Slice Spacing	0.5	
	TE	68.0	<b>ACQ TIMING</b>		
	Number of Echoes	1	Freq	256	
	TR	4158.0	Phase	224	
	Echo Train Length	18	Freq DIR	S/I	
	Receiver Bandwidth	31.25	Fat Shift DIR	Normal (S)	
	<b>IMAGE ENHANCE</b>		NEX	3.00	
	Filter Choice	A	Auto Shim	Auto	
	<b>GATING/TRIGGER</b>		Phase Correction	Yes	
	Auto Trigger Type	Off	<b>USER CVS</b>		
	<b>FMRI</b>		User CV8	1.00	
	PSD Trigger	Internal	User CV19	1.00	
	View Order	Bottom/Up	User CV22	1.00	
# of Repetitions REST	0	TR Min	3000.0		
# of Repetitions ACTIVE	0	TR Max	10000.0		
<b>SAT</b>		<b>MULTI-PHASE</b>			
Tag Type	None	Seperate Series	0		
Fat/Water Saturation	Fat Classic	Mask Phase	0		
<b>TRICKS</b>		Mask Pause	0		
Pause On/Off	On	<b>DIFFUSION</b>			
Auto Subtract	0	Recon All Images	On		
Auto SCIC	2	<b>CONTRAST</b>			
		Contrast Yes/No	No		

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Extremity	Imaging Options	NPW, EDR, TRF, Fast
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	Sag T1 FSE	FOV	14.0
<b>SCAN TIMING</b>		Slice Thickness	3.0
Flip Angle	111	Slice Spacing	0.5
TE	Min Full	<b>ACQ TIMING</b>	
Number of Echoes	1	Freq	352
TR	693.0	Phase	256
Echo Train Length	3	Freq DIR	S/I
Receiver Bandwidth	31.25	Fat Shift DIR	Normal (S)
<b>IMAGE ENHANCE</b>		NEX	2.00
Filter Choice	A	Auto Shim	Auto
<b>GATING/TRIGGER</b>		Phase Correction	Yes
Auto Trigger Type	Off	<b>USER CVS</b>	
<b>FMRI</b>		User CV8	1.00
PSD Trigger	Internal	User CV22	1.00
View Order	Bottom/Up	TR Min	400.0
# of Repetitions REST	0	TR Max	850.0
# of Repetitions ACTIVE	0	<b>MULTI-PHASE</b>	
<b>SAT</b>		Seperate Series	0
Tag Type	None	Mask Phase	0
<b>TRICKS</b>		Mask Pause	0
Pause On/Off	On	<b>DIFFUSION</b>	
Auto Subtract	0	Recon All Images	On
Auto SCIC	2	<b>CONTRAST</b>	
		Contrast Yes/No	No

Sag T1 FSE

Sag T1 FSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Extremity	Imaging Options	NPW, EDR, TRF, Fast
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	Sag T1 FSE F/S +C	FOV	14.0
<b>SCAN TIMING</b>		Slice Thickness	3.0
Flip Angle	111	Slice Spacing	0.5
TE	Min Full	<b>ACQ TIMING</b>	
Number of Echoes	1	Freq	352
TR	545.0	Phase	256
Echo Train Length	3	Freq DIR	S/I
Receiver Bandwidth	31.25	Fat Shift DIR	Normal (S)
<b>IMAGE ENHANCE</b>		NEX	2.00
Filter Choice	A	# of Acq. Before Pause	0
<b>GATING/TRIGGER</b>		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	Yes
<b>FMRI</b>		<b>USER CVS</b>	
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	400.0
<b>SAT</b>		TR Max	850.0
Tag Type	None	<b>MULTI-PHASE</b>	
Fat/Water Saturation	Fat Classic	Seperate Series	0
<b>TRICKS</b>		Mask Phase	0
Pause On/Off	On	Mask Pause	0
Auto Subtract	0	<b>DIFFUSION</b>	
Auto SCIC	2	Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	Yes

Sag T1 FSE F/S +C

Sag T1 FSE F/S +C

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Extremity	Imaging Options	NPW, EDR, TRF, Fast
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	Sag T2 FSE FS	FOV	14.0
<b>SCAN TIMING</b>		Slice Thickness	3.0
Flip Angle	111	Slice Spacing	0.5
TE	68.0	<b>ACQ TIMING</b>	
Number of Echoes	1	Freq	352
TR	4322.0	Phase	224
Echo Train Length	16	Freq DIR	S/I
Receiver Bandwidth	31.25	Fat Shift DIR	Normal (I)
<b>IMAGE ENHANCE</b>		NEX	3.00
Filter Choice	A	Auto Shim	Auto
<b>GATING/TRIGGER</b>		Phase Correction	Yes
Auto Trigger Type	Off	<b>USER CVS</b>	
<b>FMRI</b>		User CV8	1.00
PSD Trigger	Internal	User CV19	1.00
View Order	Bottom/Up	User CV22	1.00
# of Repetitions REST	0	TR Min	3000.0
# of Repetitions ACTIVE	0	TR Max	10000.0
<b>SAT</b>		<b>MULTI-PHASE</b>	
Tag Type	None	Seperate Series	0
Fat/Water Saturation	Fat Classic	Mask Phase	0
<b>TRICKS</b>		Mask Pause	0
Pause On/Off	On	<b>DIFFUSION</b>	
Auto Subtract	0	Recon All Images	On
Auto SCIC	2	<b>CONTRAST</b>	
		Contrast Yes/No	No

Sag T2 FSE FS

Sag T2 FSE FS

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Ax T1 FSE F/S +C	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Extremity	Imaging Options	NPW, EDR, TRF, Fast
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	Ax T1 FSE F/S +C	FOV	14.0
	<b>SCAN TIMING</b>		Slice Thickness	3.0
	Flip Angle	111	Slice Spacing	0.5
	TE	Min Full	<b>ACQ TIMING</b>	
	Number of Echoes	1	Freq	352
	TR	606.0	Phase	256
	Echo Train Length	3	Freq DIR	Unswap
	Receiver Bandwidth	31.25	Fat Shift DIR	Normal
	<b>IMAGE ENHANCE</b>		NEX	2.00
	Filter Choice	A	Auto Shim	Auto
	<b>GATING/TRIGGER</b>		Phase Correction	Yes
	Auto Trigger Type	Off	<b>USER CVS</b>	
	<b>FMRI</b>		User CV8	1.00
	PSD Trigger	Internal	User CV22	1.00
	View Order	Bottom/Up	TR Min	400.0
	# of Repetitions REST	0	TR Max	850.0
	# of Repetitions ACTIVE	0	<b>MULTI-PHASE</b>	
	<b>SAT</b>		Seperate Series	0
	Tag Type	None	Mask Phase	0
	<b>TRICKS</b>		Mask Pause	0
Pause On/Off	On	<b>DIFFUSION</b>		
Auto Subtract	0	Recon All Images	On	
Auto SCIC	2	<b>CONTRAST</b>		
		Contrast Yes/No	Yes	

Ax T1 FSE F/S +C



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AX T2 FSE FS PROPELLER Silent	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	PROPELLER
	Coil Configuration	Extremity	Imaging Options	EDR, TRF, Fast, ART, ARC
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	AX T2 FSE FS PROPELLER Silent	FOV	14.0
	<b>SCAN TIMING</b>		Slice Thickness	3.0
	Flip Angle	120	Slice Spacing	0.5
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	5847.0	Freq	288
	Echo Train Length	24	Freq DIR	S/I
	Receiver Bandwidth	50.00	Fat Shift DIR	Normal (S)
	<b>IMAGE ENHANCE</b>		NEX	2.50
	Filter Choice	None	Auto Shim	Auto
	<b>GATING/TRIGGER</b>		Phase Correction	No
	Auto Trigger Type	Off	<b>USER CVS</b>	
	<b>FMRI</b>		User CV5	1.00
	PSD Trigger	Internal	User CV19	0.80
	View Order	Bottom/Up	TR Min	2000.0
	# of Repetitions REST	0	TR Max	11000.0
	# of Repetitions ACTIVE	0	<b>MULTI-PHASE</b>	
	<b>SAT</b>		Seperate Series	0
	Tag Type	None	Mask Phase	0
	Fat/Water Saturation	Fat Classic	Mask Pause	0
	<b>TRICKS</b>		Acoustic Reduction Level	3
Pause On/Off	On	<b>DIFFUSION</b>		
Auto Subtract	0	Recon All Images	On	
Auto SCIC	Off	<b>CONTRAST</b>		
		Contrast Yes/No	No	

AX T2 FSE FS PROPELLER Silent