

McLeod Pavilion

Protocol: adult\_upperExtremities\_Wrist ROUTINE

3 Plane Localizer	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		3 Plane Localizer
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Prone	Pulse Sequence	Spin Echo	
	Coil Configuration	GEM Flex Small Array	Imaging Options	NPW, Seq, EDR, Fast, SS	
	Plane	3-PLANE	<b>SCAN RANGE</b>		
	Series Description	3 Plane Localizer	FOV	36.0	
	<b>SCAN TIMING</b>		Slice Thickness	5.0	
	TE	71.2	Slice Spacing	5.0	
	Number of Echoes	1	<b>ACQ TIMING</b>		
	TR	Minimum	Freq	384	
	Receiver Bandwidth	62.50	Phase	224	
	<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 CV2	240.00	
	# of Repetitions REST	0	User CV13	1.00	
	# of Repetitions ACTIVE	0	<b>MULTI-PHASE</b>		
	<b>SAT</b>		Seperate Series	0	
	Tag Type	None	Mask Phase	0	
	Fat/Water Saturation	Fat	Mask Pause	0	
	<b>TRICKS</b>		<b>DIFFUSION</b>		
	Pause On/Off	On	Recon All Images	On	
Auto Subtract	0	<b>CONTRAST</b>			
Auto SCIC	Off	Contrast Yes/No	Yes		

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3 Plane Localizer Small FOV	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Prone	Pulse Sequence	Spin Echo
	Coil Configuration	GEM Flex Small Array	Imaging Options	Seq, EDR, Fast, SS
	Plane	3-PLANE	<b>SCAN RANGE</b>	
	Series Description	3 Plane Localizer Small FOV	FOV	22.0
	<b>SCAN TIMING</b>		Slice Thickness	5.0
	TE	85.0	Slice Spacing	5.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	Minimum	Freq	384
	Receiver Bandwidth	62.50	Phase	256
	<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>	
	Slice Order	Interleaved	User CV2	240.00
	View Order	Bottom/Up	User CV13	1.00
	# of Repetitions REST	0	<b>MULTI-PHASE</b>	
	# of Repetitions ACTIVE	0	Seperate Series	0
	<b>SAT</b>		Mask Phase	0
	Tag Type	None	Mask Pause	0
	<b>TRICKS</b>		<b>DIFFUSION</b>	
	Pause On/Off	On	Recon All Images	On
	Auto Subtract	0	<b>CONTRAST</b>	
Auto SCIC	Off	Contrast Yes/No	No	

3 Plane Localizer Small FOV

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Calibration	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		Calibration
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Prone	Pulse Sequence	SPGR	
	Coil Configuration	GEM Flex Small Array	Imaging Options	EDR, Fast, ZIP2, Calib	
	Plane	AXIAL	<b>SCAN RANGE</b>		
	Series Description	Calibration	FOV	30.0	
	<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		

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Prone	Pulse Sequence	MERGE
Coil Configuration	GEM Flex Small Array	Imaging Options	FC, EDR, Fast, ZIP512, ZIP2
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	Cor 3D MERGE	FOV	10.0
<b>SCAN TIMING</b>		Slice Thickness	2.0
Flip Angle	5	Location per Slab	24
TE	Min Full	Overlap Locations	0
Number of Echoes	3	<b>ACQ TIMING</b>	
TR	Minimum	Freq	256
Receiver Bandwidth	41.67	Phase	256
<b>IMAGE ENHANCE</b>		Freq DIR	S/I
Filter Choice	A	Phase FOV	1.00
<b>GATING/TRIGGER</b>		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
<b>MULTI-PHASE</b>		<b>FMRI</b>	
Seperate Series	0	PSD Trigger	Internal
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	2

Cor 3D MERGE

Cor 3D MERGE

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<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Prone	Pulse Sequence	FSE-XL
Coil Configuration	GEM Flex Small Array	Imaging Options	EDR, TRF, Fast, FR
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	*Cor PD frFSE FS*	FOV	10.0
<b>SCAN TIMING</b>		Slice Thickness	2.5
Flip Angle	111	Slice Spacing	0.5
TE	30.0	<b>ACQ TIMING</b>	
Number of Echoes	1	Freq	320
TR	1811.0	Phase	320
Echo Train Length	8	Freq DIR	S/I
Receiver Bandwidth	35.71	Fat Shift DIR	Normal (I)
<b>IMAGE ENHANCE</b>		NEX	2.00
Filter Choice	A	Phase FOV	1.00
<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	1800.0
<b>SAT</b>		TR Max	11000.0
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	No

\*Cor PD frFSE FS\*

\*Cor PD frFSE FS\*

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Ax T1 FSE	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		Ax T1 FSE
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Prone	Pulse Sequence	FSE-XL	
	Coil Configuration	GEM Flex Small Array	Imaging Options	FC, EDR, TRF, Fast	
	Plane	OBLIQUE	<b>SCAN RANGE</b>		
	Series Description	Ax T1 FSE	FOV	10.0	
	<b>SCAN TIMING</b>		Slice Thickness	2.5	
	Flip Angle	111	Slice Spacing	0.5	
	TE	Min Full	<b>ACQ TIMING</b>		
	Number of Echoes	1	Freq	352	
	TR	463.0	Phase	224	
	Echo Train Length	3	Freq DIR	R/L	
	Receiver Bandwidth	50.00	Fat Shift DIR	Normal (L)	
	<b>IMAGE ENHANCE</b>		NEX	2.00	
	Filter Choice	A	# of Acq. Before Pause	0	
	<b>GATING/TRIGGER</b>		Phase FOV	0.80	
	Auto Trigger Type	Off	Auto Shim	Auto	
	<b>FMRI</b>		Phase Correction	Yes	
	PSD Trigger	Internal	Flow Direction Compensation	Slice	
	View Order	Bottom/Up	<b>USER CVS</b>		
	# of Repetitions REST	0	User CV8	1.00	
	# of Repetitions ACTIVE	0	User CV22	1.00	
	<b>SAT</b>		TR Min	400.0	
	Tag Type	None	TR Max	850.0	
	<b>TRICKS</b>		<b>MULTI-PHASE</b>		
Pause On/Off	On	Seperate Series	0		
Auto Subtract	0	Mask Phase	0		
Auto SCIC	2	Mask Pause	0		
		<b>DIFFUSION</b>			
		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	2D
Patient Position	Prone	Pulse Sequence	FSE-XL
Coil Configuration	GEM Flex Small Array	Imaging Options	FC, EDR, TRF, Fast
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	SAG T1 FSE	FOV	10.0
<b>SCAN TIMING</b>		Slice Thickness	2.5
Flip Angle	111	Slice Spacing	0.5
TE	Min Full	<b>ACQ TIMING</b>	
Number of Echoes	1	Freq	320
TR	726.0	Phase	224
Echo Train Length	3	Freq DIR	S/I
Receiver Bandwidth	50.00	Fat Shift DIR	Normal (S)
<b>IMAGE ENHANCE</b>		NEX	2.00
Filter Choice	A	# of Acq. Before Pause	0
<b>GATING/TRIGGER</b>		Phase FOV	0.80
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	Yes
PSD Trigger	Internal	Flow Direction Compensation	Freq
View Order	Bottom/Up	<b>USER CVS</b>	
# of Repetitions REST	0	User CV8	1.00
# of Repetitions ACTIVE	0	User CV22	1.00
<b>SAT</b>		TR Min	400.0
Tag Type	None	TR Max	850.0
<b>TRICKS</b>		<b>MULTI-PHASE</b>	
Pause On/Off	On	Seperate Series	0
Auto Subtract	0	Mask Phase	0
Auto SCIC	2	Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

SAG T1 FSE

SAG T1 FSE

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COR T1 FSE	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Prone	Pulse Sequence	FSE-XL
	Coil Configuration	GEM Flex Small Array	Imaging Options	FC, EDR, TRF, Fast
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	COR T1 FSE	FOV	10.0
	<b>SCAN TIMING</b>		Slice Thickness	2.5
	Flip Angle	111	Slice Spacing	0.5
	TE	Min Full	<b>ACQ TIMING</b>	
	Number of Echoes	1	Freq	352
	TR	580.0	Phase	224
	Echo Train Length	3	Freq DIR	S/I
	Receiver Bandwidth	50.00	Fat Shift DIR	Normal (I)
	<b>IMAGE ENHANCE</b>		NEX	2.00
	Filter Choice	A	# 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	Yes
	PSD Trigger	Internal	Flow Direction Compensation	Freq
	View Order	Bottom/Up	<b>USER CVS</b>	
	# of Repetitions REST	0	User CV8	1.00
	# of Repetitions ACTIVE	0	User CV22	1.00
	<b>SAT</b>		TR Min	400.0
	Tag Type	None	TR Max	850.0
	<b>TRICKS</b>		<b>MULTI-PHASE</b>	
	Pause On/Off	On	Seperate Series	0
	Auto Subtract	0	Mask Phase	0
	Auto SCIC	2	Mask Pause	0
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

COR T1 FSE



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Ax PD frFSE FS	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		Ax PD frFSE FS
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Prone	Pulse Sequence	FSE-XL	
	Coil Configuration	GEM Flex Small Array	Imaging Options	FC, EDR, TRF, Fast, FR	
	Plane	OBLIQUE	<b>SCAN RANGE</b>		
	Series Description	Ax PD frFSE FS	FOV	10.0	
	<b>SCAN TIMING</b>		Slice Thickness	2.5	
	Flip Angle	111	Slice Spacing	0.5	
	TE	30.0	<b>ACQ TIMING</b>		
	Number of Echoes	1	Freq	352	
	TR	4206.0	Phase	224	
	Echo Train Length	8	Freq DIR	R/L	
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (L)	
	<b>IMAGE ENHANCE</b>		NEX	2.00	
	Filter Choice	A	Phase FOV	0.80	
	<b>GATING/TRIGGER</b>		Auto Shim	Auto	
	Auto Trigger Type	Off	Phase Correction	Yes	
	<b>FMRI</b>		Flow Direction Compensation	Slice	
	PSD Trigger	Internal	<b>USER CVS</b>		
	View Order	Bottom/Up	User CV8	1.00	
	# of Repetitions REST	0	User CV19	1.00	
	# of Repetitions ACTIVE	0	User CV22	1.00	
	<b>SAT</b>		TR Min	1800.0	
	Tag Type	None	TR Max	11000.0	
	Fat/Water Saturation	Fat Classic	<b>MULTI-PHASE</b>		
<b>TRICKS</b>		Seperate Series	0		
Pause On/Off	On	Mask Phase	0		
Auto Subtract	0	Mask Pause	0		
Auto SCIC	2	<b>DIFFUSION</b>			
		Recon All Images	On		
		<b>CONTRAST</b>			
		Contrast Yes/No	No		

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Sag PD frFSE FATSAT	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Prone	Pulse Sequence	FSE-XL
	Coil Configuration	GEM Flex Small Array	Imaging Options	TRF, Fast, FR
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	Sag PD frFSE FATSAT	FOV	10.0
	<b>SCAN TIMING</b>		Slice Thickness	2.5
	Flip Angle	111	Slice Spacing	0.5
	TE	30.0	<b>ACQ TIMING</b>	
	Number of Echoes	1	Freq	352
	TR	2656.0	Phase	224
	Echo Train Length	8	Freq DIR	S/I
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (S)
	<b>IMAGE ENHANCE</b>		NEX	2.00
	Filter Choice	A	Phase FOV	0.80
	<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	1800.0
	<b>SAT</b>		TR Max	11000.0
	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	No	

Sag PD frFSE FATSAT

Protocol: adult\_upperExtremities\_Wrist ROUTINE

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Prone	Pulse Sequence	FSE-XL
Coil Configuration	GEM Flex Small Array	Imaging Options	Seq, EDR, TRF, Fast, IrP
Plane	OBLIQUE	PSD Name	fse-xl
Series Description	Cor STIR	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	10.0
Flip Angle	111	Slice Thickness	2.5
TE	50.0	Slice Spacing	0.5
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	4469.0	Freq	320
TI	170	Phase	224
Echo Train Length	11	Freq DIR	S/I
Receiver Bandwidth	31.25	Fat Shift DIR	Normal (I)
<b>IMAGE ENHANCE</b>		NEX	2.00
Filter Choice	None	Phase FOV	1.00
<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 CV7	1.00
View Order	Bottom/Up	User CV8	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	2000.0
<b>SAT</b>		TR Max	15000.0
SAT Location	S	<b>MULTI-PHASE</b>	
SAT Location	I	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	Off	<b>CONTRAST</b>	
		Contrast Yes/No	No

Cor STIR

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<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Prone	Pulse Sequence	Spin Echo
Coil Configuration	GEM Flex Small Array	Imaging Options	Seq, EDR, Fast, SS
Plane	3-PLANE	<b>SCAN RANGE</b>	
Series Description	***contrast***	FOV	22.0
<b>SCAN TIMING</b>		Slice Thickness	5.0
TE	85.0	Slice Spacing	5.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	Minimum	Freq	384
Receiver Bandwidth	62.50	Phase	256
<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 CV2	240.00
# of Repetitions REST	0	User CV13	1.00
# 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	Off	<b>CONTRAST</b>	
		Contrast Yes/No	No

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+c Ax T1 FSE FATSAT	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		+c Ax T1 FSE FATSAT
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Prone	Pulse Sequence	FSE-XL	
	Coil Configuration	GEM Flex Small Array	Imaging Options	FC, EDR, TRF, Fast, ARC	
	Plane	OBLIQUE	<b>SCAN RANGE</b>		
	Series Description	+c Ax T1 FSE FATSAT	FOV	10.0	
	<b>SCAN TIMING</b>		Slice Thickness	2.5	
	Flip Angle	111	Slice Spacing	0.5	
	TE	Min Full	<b>ACQ TIMING</b>		
	Number of Echoes	1	Freq	320	
	TR	438.0	Phase	192	
	Echo Train Length	3	Freq DIR	R/L	
	Receiver Bandwidth	50.00	Fat Shift DIR	Normal (L)	
	<b>IMAGE ENHANCE</b>		NEX	3.00	
	Filter Choice	A	# of Acq. Before Pause	0	
	<b>GATING/TRIGGER</b>		Phase FOV	0.80	
	Auto Trigger Type	Off	Auto Shim	Auto	
	<b>FMRI</b>		Phase Correction	Yes	
	PSD Trigger	Internal	Flow Direction Compensation	Slice	
	View Order	Bottom/Up	<b>USER CVS</b>		
	# of Repetitions REST	0	User CV8	1.00	
	# of Repetitions ACTIVE	0	User CV19	1.00	
	<b>SAT</b>		User CV22	1.00	
	Tag Type	None	TR Min	400.0	
	Fat/Water Saturation	Fat Classic	TR Max	850.0	
<b>TRICKS</b>		<b>MULTI-PHASE</b>			
Pause On/Off	On	Seperate Series	0		
Auto Subtract	0	Mask Phase	0		
Auto SCIC	2	Mask Pause	0		
		<b>DIFFUSION</b>			
		Recon All Images	On		
		<b>CONTRAST</b>			
		Contrast Yes/No	Yes		

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Prone	Pulse Sequence	FSE-XL
Coil Configuration	GEM Flex Small Array	Imaging Options	FC, EDR, TRF, Fast
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	+C COR T1 FSE	FOV	10.0
<b>SCAN TIMING</b>		Slice Thickness	2.5
Flip Angle	111	Slice Spacing	0.5
TE	Min Full	<b>ACQ TIMING</b>	
Number of Echoes	1	Freq	352
TR	580.0	Phase	224
Echo Train Length	3	Freq DIR	S/I
Receiver Bandwidth	50.00	Fat Shift DIR	Normal (I)
<b>IMAGE ENHANCE</b>		NEX	2.00
Filter Choice	A	# 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	Yes
PSD Trigger	Internal	Flow Direction Compensation	Freq
View Order	Bottom/Up	<b>USER CVS</b>	
# of Repetitions REST	0	User CV8	1.00
# of Repetitions ACTIVE	0	User CV22	1.00
<b>SAT</b>		TR Min	400.0
Tag Type	None	TR Max	850.0
<b>TRICKS</b>		<b>MULTI-PHASE</b>	
Pause On/Off	On	Seperate Series	0
Auto Subtract	0	Mask Phase	0
Auto SCIC	2	Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

+C COR T1 FSE

+C COR T1 FSE

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<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Prone	Pulse Sequence	Spin Echo
Coil Configuration	GEM Flex Small Array	Imaging Options	Seq, EDR, Fast, SS
Plane	3-PLANE	<b>SCAN RANGE</b>	
Series Description	***ACR ADDITIONAL VIEWS***	FOV	22.0
<b>SCAN TIMING</b>		Slice Thickness	5.0
TE	85.0	Slice Spacing	5.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	Minimum	Freq	384
Receiver Bandwidth	62.50	Phase	256
<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 CV2	240.00
# of Repetitions REST	0	User CV13	1.00
# 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	Off	<b>CONTRAST</b>	
		Contrast Yes/No	No

\*\*\*ACR ADDITIONAL VIEWS\*\*\*

\*\*\*ACR ADDITIONAL VIEWS\*\*\*

McLeod Pavilion

Protocol: adult\_upperExtremities\_Wrist ROUTINE

Ax T2 frFSE ACR	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Prone	Pulse Sequence	FSE-XL
	Coil Configuration	GEM Flex Medium Array	Imaging Options	NPW, EDR, TRF, Fast, FR, ARC
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	Ax T2 frFSE ACR	FOV	13.0
	<b>SCAN TIMING</b>		Slice Thickness	3.0
	Flip Angle	111	Slice Spacing	0.3
	TE	68.0	<b>ACQ TIMING</b>	
	Number of Echoes	1	Freq	352
	TR	3301.0	Phase	256
	Echo Train Length	16	Freq DIR	A/P
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (A)
	<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 CV22	1.00
	Slice Order	Interleaved	TR Min	2500.0
	View Order	Bottom/Up	TR Max	11000.0
	# of Repetitions REST	0	<b>MULTI-PHASE</b>	
	# of Repetitions ACTIVE	0	Seperate Series	0
	<b>SAT</b>		Mask Phase	0
	Tag Type	None	Mask Pause	0
<b>TRICKS</b>		<b>DIFFUSION</b>		
Pause On/Off	On	Recon All Images	On	
Auto Subtract	0	<b>CONTRAST</b>		
Auto SCIC	Off	Contrast Yes/No	No	

Ax T2 frFSE ACR



Protocol: adult\_upperExtremities\_Wrist ROUTINE

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Prone	Pulse Sequence	FSE-XL
Coil Configuration	GEM Flex Medium Array	Imaging Options	NPW, EDR, TRF, Fast, FR, ARC
Plane	OBLIQUE		
Series Description	Ax PD frFSE ACR		
SCAN TIMING		SCAN RANGE	
Flip Angle	111	FOV	13.0
TE	30.0	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.3
TR	2200.0		
Echo Train Length	8	ACQ TIMING	
Receiver Bandwidth	41.67	Freq	384
		Phase	288
		Freq DIR	A/P
		Fat Shift DIR	Normal (A)
		NEX	2.00
		Auto Shim	Auto
		Phase Correction	No
IMAGE ENHANCE		USER CVS	
Filter Choice	A	User CV22	1.00
		TR Min	1800.0
		TR Max	6000.0
GATING/TRIGGER		MULTI-PHASE	
Auto Trigger Type	Off	Seperate Series	0
		Mask Phase	0
		Mask Pause	0
FMRI		DIFFUSION	
PSD Trigger	Internal	Recon All Images	On
Slice Order	Interleaved		
View Order	Bottom/Up	CONTRAST	
# of Repetitions REST	0	Contrast Yes/No	No
# of Repetitions ACTIVE	0		
SAT			
Tag Type	None		
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	Off		

Ax PD frFSE ACR

Ax PD frFSE ACR

Protocol: adult\_upperExtremities\_Wrist ROUTINE

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Prone	Pulse Sequence	Spin Echo
Coil Configuration	GEM Flex Small Array	Imaging Options	Seq, EDR, Fast, SS
Plane	3-PLANE	<b>SCAN RANGE</b>	
Series Description	***ARTHROGRAM***	FOV	22.0
<b>SCAN TIMING</b>		Slice Thickness	5.0
TE	85.0	Slice Spacing	5.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	Minimum	Freq	384
Receiver Bandwidth	62.50	Phase	256
<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 CV2	240.00
# of Repetitions REST	0	User CV13	1.00
# 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	Off	<b>CONTRAST</b>	
		Contrast Yes/No	No

\*\*\*ARTHROGRAM\*\*\*

\*\*\*ARTHROGRAM\*\*\*

Protocol: adult\_upperExtremities\_Wrist ROUTINE

+c SAG T1 FSE FATSAT	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Prone	Pulse Sequence	FSE-XL
	Coil Configuration	GEM Flex Small Array	Imaging Options	FC, EDR, TRF, Fast, ARC
	Plane	SAGITTAL	<b>SCAN RANGE</b>	
	Series Description	+c SAG T1 FSE FATSAT	FOV	10.0
	<b>SCAN TIMING</b>		Slice Thickness	2.5
	Flip Angle	111	Slice Spacing	0.5
	TE	Min Full	<b>ACQ TIMING</b>	
	Number of Echoes	1	Freq	320
	TR	535.0	Phase	192
	Echo Train Length	3	Freq DIR	S/I
	Receiver Bandwidth	50.00	Fat Shift DIR	Normal (S)
	<b>IMAGE ENHANCE</b>		NEX	2.00
	Filter Choice	A	# of Acq. Before Pause	0
	<b>GATING/TRIGGER</b>		Phase FOV	0.90
	Auto Trigger Type	Off	Auto Shim	Auto
	<b>FMRI</b>		Phase Correction	Yes
	PSD Trigger	Internal	Flow Direction Compensation	Freq
	View Order	Bottom/Up	<b>USER CVS</b>	
	# of Repetitions REST	0	User CV8	1.00
	# of Repetitions ACTIVE	0	User CV19	1.00
	<b>SAT</b>		User CV22	1.00
	Tag Type	None	TR Min	400.0
	Fat/Water Saturation	Fat Classic	TR Max	850.0
<b>TRICKS</b>		<b>MULTI-PHASE</b>		
Pause On/Off	On	Seperate Series	0	
Auto Subtract	0	Mask Phase	0	
Auto SCIC	2	Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	Yes	

+c SAG T1 FSE FATSAT

Protocol: adult\_upperExtremities\_Wrist ROUTINE

+C COR T1 FSE FATSAT	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Prone	Pulse Sequence	FSE-XL
	Coil Configuration	GEM Flex Small Array	Imaging Options	FC, EDR, TRF, Fast, ARC
	Plane	CORONAL	<b>SCAN RANGE</b>	
	Series Description	+C COR T1 FSE FATSAT	FOV	10.0
	<b>SCAN TIMING</b>		Slice Thickness	2.5
	Flip Angle	111	Slice Spacing	0.5
	TE	Min Full	<b>ACQ TIMING</b>	
	Number of Echoes	1	Freq	320
	TR	535.0	Phase	192
	Echo Train Length	3	Freq DIR	S/I
	Receiver Bandwidth	50.00	Fat Shift DIR	Normal (I)
	<b>IMAGE ENHANCE</b>		NEX	2.00
	Filter Choice	A	# 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	Yes
	PSD Trigger	Internal	Flow Direction Compensation	Freq
	View Order	Bottom/Up	<b>USER CVS</b>	
	# of Repetitions REST	0	User CV8	1.00
	# of Repetitions ACTIVE	0	User CV19	1.00
	<b>SAT</b>		User CV22	1.00
	Tag Type	None	TR Min	400.0
	Fat/Water Saturation	Fat Classic	TR Max	850.0
<b>TRICKS</b>		<b>MULTI-PHASE</b>		
Pause On/Off	On	Seperate Series	0	
Auto Subtract	0	Mask Phase	0	
Auto SCIC	2	Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	Yes	

+C COR T1 FSE FATSAT