

Protocol: adult_upperExtremities_SHOULDER ARTHRO

3-Plane Localizer	PATIENT POSITION		IMAGING PARAMETERS		3-Plane Localizer
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	Fiesta	
	Coil Configuration	HD 8ch Shoulder Array by NeoCoil	Imaging Options	Seq, Fast	
	Plane	3-PLANE	SCAN RANGE		
	Series Description	3-Plane Localizer	FOV	24.0	
	SCAN TIMING		Slice Thickness	5.0	
	Flip Angle	50	Slice Spacing	5.0	
	TE	Minimum	ACQ TIMING		
	Number of Echoes	1	Freq	256	
	Receiver Bandwidth	62.50	Phase	128	
	IMAGE ENHANCE		Freq DIR	Unswap	
	Filter Choice	None	NEX	1.00	
	GATING/TRIGGER		# of Acq. Before Pause	0	
	Auto Trigger Type	Off	Phase FOV	1.00	
	MULTI-PHASE		Auto Shim	Auto	
	Seperate Series	0	Phase Correction	No	
	Mask Phase	0	FMRI		
	Mask Pause	0	PSD Trigger	Internal	
	DIFFUSION		Slice Order	Interleaved	
	Recon All Images	On	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		

Protocol: adult_upperExtremities_SHOULDER ARTHRO

Ax T1 FSE FS	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	HD 8ch Shoulder Array by NeoCoil	Imaging Options	NPW, TRF, Fast, MRF
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Ax T1 FSE FS	FOV	16.0
	SCAN TIMING		Slice Thickness	3.5
	Flip Angle	160	Slice Spacing	0.5
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	300
	TR	577.0	Phase	200
	Echo Train Length	2	Freq DIR	A/P
	Receiver Bandwidth	22.73	Fat Shift DIR	Normal (A)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	None	# of Acq. Before Pause	0
	GATING/TRIGGER		Phase FOV	1.00
	Auto Trigger Type	Off	Auto Shim	Auto
	FMRI		Phase Correction	Yes
	PSD Trigger	Internal	USER CVS	
	Slice Order	Interleaved	User CV8	1.00
	View Order	Bottom/Up	User CV19	1.00
	# of Repetitions REST	0	TR Min	300.0
	# of Repetitions ACTIVE	0	TR Max	750.0
	SAT		MULTI-PHASE	
	Tag Type	None	Seperate Series	0
Fat/Water Saturation	Fat	Mask Phase	0	
TRICKS		Mask Pause	0	
Pause On/Off	On	DIFFUSION		
Auto Subtract	0	Recon All Images	On	
Auto SCIC	2	CONTRAST		
		Contrast Yes/No	No	

Ax T1 FSE FS

Protocol: adult_upperExtremities_SHOULDER ARTHRO

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD 8ch Shoulder Array by NeoCoil	Imaging Options	FC, NPW, EDR, TRF, Fast, FR, MRF
Plane	OBLIQUE	SCAN RANGE	
Series Description	AX T2 frFSE FS	FOV	16.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.0
TE	75.0	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	2726.0	Phase	224
Echo Train Length	16	Freq DIR	Unswap
Receiver Bandwidth	20.83	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	4.00
Filter Choice	None	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		Flow Direction Compensation	Freq
PSD Trigger	Internal	USER CVS	
Slice Order	Interleaved	User CV19	1.00
View Order	Bottom/Up	User CV22	1.00
# of Repetitions REST	0	TR Min	2500.0
# of Repetitions ACTIVE	0	TR Max	5000.0
SAT		MULTI-PHASE	
Tag Type	None	Seperate Series	0
Fat/Water Saturation	Fat Classic	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

AX T2 frFSE FS

AX T2 frFSE FS

Protocol: adult_upperExtremities_SHOULDER ARTHRO

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD 8ch Shoulder Array by NeoCoil	Imaging Options	NPW, TRF, Fast, MRF
Plane	OBLIQUE	SCAN RANGE	
Series Description	Cor T1 FSE FS	FOV	16.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.0
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	500.0	Phase	192
Echo Train Length	2	Freq DIR	Unswap
Receiver Bandwidth	22.73	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	2.00
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	
Slice Order	Interleaved	User CV19	1.00
View Order	Bottom/Up	User CV22	1.00
# of Repetitions REST	0	MULTI-PHASE	
# of Repetitions ACTIVE	0	Seperate Series	0
SAT		Mask Phase	0
Tag Type	None	Mask Pause	0
Fat/Water Saturation	Fat	DIFFUSION	
TRICKS		Recon All Images	On
Pause On/Off	On	CONTRAST	
Auto Subtract	0	Contrast Yes/No	No
Auto SCIC	Off		

Cor T1 FSE FS

Cor T1 FSE FS

Protocol: adult_upperExtremities_SHOULDER ARTHRO

Cor T2 frFSE FS	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	HD 8ch Shoulder Array by NeoCoil	Imaging Options	FC, NPW, EDR, TRF, Fast, FR, MRF
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Cor T2 frFSE FS	FOV	16.0
	SCAN TIMING		Slice Thickness	4.0
	Flip Angle	160	Slice Spacing	1.0
	TE	75.0	ACQ TIMING	
	Number of Echoes	1	Freq	288
	TR	2726.0	Phase	224
	Echo Train Length	16	Freq DIR	Unswap
	Receiver Bandwidth	20.83	Fat Shift DIR	Normal
	IMAGE ENHANCE		NEX	4.00
	Filter Choice	None	Phase FOV	1.00
	GATING/TRIGGER		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	No
	FMRI		Flow Direction Compensation	Freq
	PSD Trigger	Internal	USER CVS	
	Slice Order	Interleaved	User CV19	1.00
	View Order	Bottom/Up	User CV22	1.00
	# of Repetitions REST	0	TR Min	2500.0
	# of Repetitions ACTIVE	0	TR Max	5000.0
	SAT		MULTI-PHASE	
	Tag Type	None	Seperate Series	0
Fat/Water Saturation	Fat Classic	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	

Cor T2 frFSE FS

Protocol: adult_upperExtremities_SHOULDER ARTHRO

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD 8ch Shoulder Array by NeoCoil	Imaging Options	NPW, TRF, Fast, MRF
Plane	OBLIQUE	SCAN RANGE	
Series Description	SAG T1 FSE FS	FOV	16.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.0
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	500.0	Phase	192
Echo Train Length	2	Freq DIR	Unswap
Receiver Bandwidth	22.73	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	2.00
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	
Slice Order	Interleaved	User CV19	1.00
View Order	Bottom/Up	User CV22	1.00
# of Repetitions REST	0	MULTI-PHASE	
# of Repetitions ACTIVE	0	Seperate Series	0
SAT		Mask Phase	0
Tag Type	None	Mask Pause	0
Fat/Water Saturation	Fat	DIFFUSION	
TRICKS		Recon All Images	On
Pause On/Off	On	CONTRAST	
Auto Subtract	0	Contrast Yes/No	No
Auto SCIC	Off		

SAG T1 FSE FS

SAG T1 FSE FS

Protocol: adult_upperExtremities_SHOULDER ARTHRO

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD 8ch Shoulder Array by NeoCoil	Imaging Options	FC, NPW, EDR, TRF, Fast, FR, MRF
Plane	OBLIQUE	SCAN RANGE	
Series Description	SAG T2 frFSE FS	FOV	16.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.0
TE	75.0	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	2726.0	Phase	224
Echo Train Length	16	Freq DIR	Unswap
Receiver Bandwidth	20.83	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	4.00
Filter Choice	None	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		Flow Direction Compensation	Freq
PSD Trigger	Internal	USER CVS	
Slice Order	Interleaved	User CV19	1.00
View Order	Bottom/Up	User CV22	1.00
# of Repetitions REST	0	TR Min	2500.0
# of Repetitions ACTIVE	0	TR Max	5000.0
SAT		MULTI-PHASE	
Tag Type	None	Seperate Series	0
Fat/Water Saturation	Fat Classic	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

SAG T2 frFSE FS

SAG T2 frFSE FS

Protocol: adult_upperExtremities_SHOULDER ARTHRO

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD 8ch Shoulder Array by NeoCoil	Imaging Options	NPW, TRF, Fast, MRF
Plane	OBLIQUE	SCAN RANGE	
Series Description	SAG T1 FSE	FOV	16.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.0
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	500.0	Phase	192
Echo Train Length	2	Freq DIR	Unswap
Receiver Bandwidth	22.73	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	2.00
Filter Choice	None	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	User CV22	1.00
Slice Order	Interleaved	MULTI-PHASE	
View Order	Bottom/Up	Seperate Series	0
# of Repetitions REST	0	Mask Phase	0
# of Repetitions ACTIVE	0	Mask Pause	0
SAT		DIFFUSION	
Tag Type	None	Recon All Images	On
TRICKS		CONTRAST	
Pause On/Off	On	Contrast Yes/No	No
Auto Subtract	0		
Auto SCIC	Off		

SAG T1 FSE

SAG T1 FSE