

Protocol: adult_upperExtremities_SHOULDER RIGHT 11-7-17

3-Plane Localizer Right	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	16ch GE Shoulder Coil by Invivo	Imaging Options	Seq, EDR, TRF, Fast, SS, FR, ARC
	Plane	3-PLANE	SCAN RANGE	
	Series Description	3-Plane Localizer Right	FOV	22.0
	SCAN TIMING		Slice Thickness	7.0
	TE	Minimum	Slice Spacing	0.0
	Number of Echoes	1	ACQ TIMING	
	TR	Minimum	Freq	192
	Receiver Bandwidth	83.33	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	Off
	FMRI		Phase Correction	No
	PSD Trigger	Internal	USER CVS	
	View Order	Bottom/Up	User CV1	1.00
	# of Repetitions REST	0	User CV16	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	

3-Plane Localizer Right

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	16ch GE Shoulder Coil by Invivo	Imaging Options	NPW, TRF, Fast, FR
Plane	OBLIQUE	SCAN RANGE	
Series Description	Ax T2W FSE FS	FOV	12.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.0
TE	55.0	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	3144.0	Phase	224
Echo Train Length	16	Freq DIR	R/L
Receiver Bandwidth	31.25	Fat Shift DIR	Normal (L)
IMAGE ENHANCE		NEX	4.00
Filter Choice	None	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	Yes
Auto Trigger Type	Off	USER CVS	
FMRI		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	2500.0
# of Repetitions ACTIVE	0	TR Max	6000.0
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 T2W FSE FS

Ax T2W FSE FS

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AXIAL GRE	PATIENT POSITION		IMAGING PARAMETERS		AXIAL GRE
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	Gradient Echo	
	Coil Configuration	16ch GE Shoulder Coil by Invivo	Imaging Options	NPW	
	SCAN TIMING		SCAN RANGE		
	Plane	OBLIQUE	FOV	12.0	
	Series Description	AXIAL GRE	Slice Thickness	4.0	
	Flip Angle	33	Slice Spacing	1.0	
	TE	15.0	ACQ TIMING		
	Number of Echoes	1	Freq	320	
	TR	425.0	Phase	224	
	Receiver Bandwidth	22.73	Freq DIR	R/L	
	IMAGE ENHANCE		NEX	2.00	
	Filter Choice	None	Auto Shim	Auto	
	GATING/TRIGGER		Phase Correction	No	
	Auto Trigger Type	Off	FMRI		
	MULTI-PHASE		PSD Trigger	Internal	
	Seperate Series	0	View Order	Bottom/Up	
	Mask Phase	0	# of Repetitions REST	0	
	Mask Pause	0	# of Repetitions ACTIVE	0	
	DIFFUSION		SAT		
	Recon All Images	On	Tag Type	None	
	CONTRAST		TRICKS		
	Contrast Yes/No	No	Pause On/Off	On	
			Auto Subtract	0	
		Auto SCIC	Off		

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	16ch GE Shoulder Coil by Invivo	Imaging Options	NPW, EDR, TRF, Fast, FR
Plane	OBLIQUE	SCAN RANGE	
Series Description	CORONAL T2W FAT SAT	FOV	12.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.0
TE	56.0	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	2731.0	Phase	224
Echo Train Length	16	Freq DIR	S/I
Receiver Bandwidth	35.71	Fat Shift DIR	Normal (I)
IMAGE ENHANCE		NEX	4.00
Filter Choice	None	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	Yes
Auto Trigger Type	Off	USER CVS	
FMRI		User CV8	1.00
PSD Trigger	Internal	User CV9	1.00
View Order	Bottom/Up	User CV19	1.00
# of Repetitions REST	0	TR Min	2500.0
# of Repetitions ACTIVE	0	TR Max	6000.0
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

CORONAL T2W FAT SAT

CORONAL T2W FAT SAT

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	16ch GE Shoulder Coil by Invivo	Imaging Options	NPW, EDR, TRF, Fast
Plane	OBLIQUE	SCAN RANGE	
Series Description	SAGITTAL T1W	FOV	12.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.5
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	384
TR	580.0	Phase	192
Echo Train Length	3	Freq DIR	S/I
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (S)
IMAGE ENHANCE		NEX	2.00
Filter Choice	None	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	Yes
Auto Trigger Type	Off	USER CVS	
FMRI		User CV8	2.00
PSD Trigger	Internal	TR Min	450.0
View Order	Bottom/Up	TR Max	750.0
# of Repetitions REST	0	MULTI-PHASE	
# of Repetitions ACTIVE	0	Seperate Series	0
SAT		Mask Phase	0
Tag Type	None	Mask Pause	0
TRICKS		DIFFUSION	
Pause On/Off	On	Recon All Images	On
Auto Subtract	0	CONTRAST	
Auto SCIC	Off	Contrast Yes/No	No

SAGITTAL T1W

SAGITTAL T1W

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	16ch GE Shoulder Coil by Invivo	Imaging Options	NPW, EDR, TRF, Fast, FR
Plane	OBLIQUE	SCAN RANGE	
Series Description	SAGITTAL T2W FAT SAT	FOV	12.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.5
TE	56.0	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	2913.0	Phase	224
Echo Train Length	16	Freq DIR	S/I
Receiver Bandwidth	35.71	Fat Shift DIR	Normal (S)
IMAGE ENHANCE		NEX	4.00
Filter Choice	None	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	Yes
Auto Trigger Type	Off	USER CVS	
FMRI		User CV8	1.00
PSD Trigger	Internal	User CV9	1.00
View Order	Bottom/Up	User CV19	1.00
# of Repetitions REST	0	TR Min	2500.0
# of Repetitions ACTIVE	0	TR Max	6000.0
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

SAGITTAL T2W FAT SAT

SAGITTAL T2W FAT SAT