

Protocol: adult_upperExtremities_MSK -Shoulder

3 Plane Localizer Left - 3 Plane Localizer Left

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	Seq, EDR, Fast, SS
SCAN RANGE	
FOV	20.0
Slice Thickness	10.00
Slice Spacing	5.0
Overlap Locations	0
ACQ TIMING	
Freq	256
Phase	160
Freq DIR	Unswap
# of Acq. Before Pause	0
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	No
RF Drive Mode	Quadrature (CP)
Excitation Mode	Selective
FMRI	
PSD Trigger	Internal
Slice Order	Interleaved
View Order	Bottom/Up
# of Repetitions REST	0
# of Repetitions ACTIVE	0
SAT	
Tag Type	None
TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	Off

SCAN TIMING	
TE	85.0
Number of Echoes	1
TR	Minimum
Receiver Bandwidth	83.33
IMAGE ENHANCE	
Filter Choice	None
USER CVS	
User CV1	1.00
User CV2	240.00
User CV13	1.00
User CV Mask2	256
MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
Preserve	0
DIFFUSION	
Recon All Images	On
# Synthetic b-values	1
Synthetic b-value	1000.0;
CONTRAST	
Contrast Yes/No	No

3 Plane Localizer Left - 3 Plane Localizer Left

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3 Plane Localizer Right - 3 Plane Localizer Right	IMAGING PARAMETERS		SCAN TIMING	
	Imaging Mode	2D	TE	85.0
	Pulse Sequence	Spin Echo	Number of Echoes	1
	Imaging Options	Seq, EDR, Fast, SS	TR	Minimum
	SCAN RANGE		Receiver Bandwidth	83.33
	FOV	20.0	IMAGE ENHANCE	
	Slice Thickness	10.00	Filter Choice	None
	Slice Spacing	5.0	USER CVS	
	Overlap Locations	0	User CV1	1.00
	ACQ TIMING		User CV2	240.00
	Freq	256	User CV13	1.00
	Phase	160	User CV Mask2	0
	Freq DIR	Unswap	MULTI-PHASE	
	# of Acq. Before Pause	0	Seperate Series	0
	Phase FOV	1.00	Mask Phase	0
	Auto Shim	Auto	Mask Pause	0
	Phase Correction	No	Preserve	0
	RF Drive Mode	Quadrature (CP)	DIFFUSION	
	Excitation Mode	Selective	Recon All Images	On
	FMRI		# Synthetic b-values	1
	PSD Trigger	Internal	Synthetic b-value	1000.0;
	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		

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IMAGING PARAMETERS

Imaging Mode	2D
Pulse Sequence	FSE-XL
Imaging Options	EDR, TRF, Fast, FR, ARC
Phase	2.00

SCAN RANGE

FOV	15.0
Slice Thickness	2.50
Slice Spacing	0.3
Overlap Locations	0
Number of Slices	41

ACQ TIMING

Freq	320
Phase	288
Freq DIR	A/P
Fat Shift DIR	Normal (A)
NEX	1.00
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes
RF Drive Mode	Preset
Excitation Mode	Selective

FMRI

PSD Trigger	Internal
View Order	Bottom/Up
# of Repetitions REST	0
# of Repetitions ACTIVE	0

SAT

SAT Location	R
Tag Type	None
Fat/Water Saturation	Fat Classic

TRICKS

Pause On/Off	On
Auto Subtract	0
Auto SCIC	3

SCAN TIMING

Flip Angle	111
TE	30.0
Number of Echoes	1
TR	3980.0
Echo Train Length	8
Receiver Bandwidth	62.50

IMAGE ENHANCE

Filter Choice	None
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USER CVS

User CV19	0.80
TR Min	1800.0
TR Max	4000.0
User CV41	5.00
User CV Mask2	1024

MULTI-PHASE

Seperate Series	0
Mask Phase	0
Mask Pause	0
Preserve	0

DIFFUSION

Recon All Images	On
# Synthetic b-values	1
Synthetic b-value	1000.0;

CONTRAST

Contrast Yes/No	No
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Ax PD frFSE FS - Ax PD frFSE FS

Ax PD frFSE FS - Ax PD frFSE FS

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Cor PD frFSE FS - Cor PD frFSE FS	IMAGING PARAMETERS		SCAN TIMING	
	Imaging Mode	2D	Flip Angle	111
	Pulse Sequence	FSE-XL	TE	30.0
	Imaging Options	EDR, TRF, Fast, FR, ARC	Number of Echoes	1
	Phase	2.00	TR	3098.0
	SCAN RANGE		Echo Train Length	8
	FOV	15.0	Receiver Bandwidth	62.50
	Slice Thickness	2.50	IMAGE ENHANCE	
	Slice Spacing	0.3	Filter Choice	None
	Overlap Locations	0	USER CVS	
	Number of Slices	31	User CV15	2.00
	ACQ TIMING		User CV19	0.80
	Freq	320	User CV21	1.00
	Phase	288	TR Min	1800.0
	Freq DIR	S/I	TR Max	4000.0
	Fat Shift DIR	Normal (I)	User CV41	5.00
	NEX	1.50	User CV Mask2	1024
	Phase FOV	1.00	MULTI-PHASE	
	Auto Shim	Auto	Seperate Series	0
	Phase Correction	Yes	Mask Phase	0
	RF Drive Mode	Preset	Mask Pause	0
	Excitation Mode	Selective	Preserve	0
	FMRI		DIFFUSION	
	PSD Trigger	Internal	Recon All Images	On
	View Order	Bottom/Up	# Synthetic b-values	1
	# of Repetitions REST	0	Synthetic b-value	1000.0;
	# of Repetitions ACTIVE	0	CONTRAST	
	SAT		Contrast Yes/No	No
	SAT Location	R		
	Tag Type	None		
	Fat/Water Saturation	Fat Classic		
	TRICKS			
	Pause On/Off	On		
	Auto Subtract	0		
	Auto SCIC	3		

Cor PD frFSE FS - Cor PD frFSE FS

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Sag T2 FSE FS - Sag T2 FSE FS	IMAGING PARAMETERS		SCAN TIMING	
	Imaging Mode	2D	Flip Angle	111
	Pulse Sequence	FSE-XL	TE	68.0
	Imaging Options	EDR, TRF, Fast, ARC	Number of Echoes	1
	Phase	2.00	TR	6211.0
	SCAN RANGE		Echo Train Length	18
	FOV	15.0	Receiver Bandwidth	62.50
	Slice Thickness	2.50	IMAGE ENHANCE	
	Slice Spacing	0.3	Filter Choice	None
	Overlap Locations	0	USER CVS	
	Number of Slices	39	User CV19	0.80
	ACQ TIMING		TR Min	2500.0
	Freq	320	TR Max	8000.0
	Phase	288	User CV41	5.00
	Freq DIR	A/P	User CV Mask2	1024
	Fat Shift DIR	Normal (P)	MULTI-PHASE	
	NEX	1.00	Seperate Series	0
	Phase FOV	1.00	Mask Phase	0
	Auto Shim	Auto	Mask Pause	0
	Phase Correction	Yes	Preserve	0
	RF Drive Mode	Preset	DIFFUSION	
	Excitation Mode	Selective	Recon All Images	On
	FMRI		Multi b-values	1000.0;
	PSD Trigger	Internal	Multi NEX Values	1.0;
	View Order	Bottom/Up	# Synthetic b-values	1
	# of Repetitions REST	0	Synthetic b-value	1000.0;
	# of Repetitions ACTIVE	0	CONTRAST	
	SAT		Contrast Yes/No	No
	Tag Type	None		
	Fat/Water Saturation	Fat Classic		
	TRICKS			
	Pause On/Off	On		
	Auto Subtract	0		
	Auto SCIC	3		

Sag T2 FSE FS - Sag T2 FSE FS

Protocol: adult_upperExtremities_MSK -Shoulder

Cor T2 FSE FS - Cor T2 FSE FS	IMAGING PARAMETERS		SCAN TIMING	
	Imaging Mode	2D	Flip Angle	111
	Pulse Sequence	FSE-XL	TE	68.0
	Imaging Options	EDR, TRF, Fast, ARC	Number of Echoes	1
	Phase	2.00	TR	5592.0
	SCAN RANGE		Echo Train Length	18
	FOV	15.0	Receiver Bandwidth	50.00
	Slice Thickness	2.50	IMAGE ENHANCE	
	Slice Spacing	0.3	Filter Choice	None
	Overlap Locations	0	USER CVS	
	Number of Slices	31	User CV15	2.00
	ACQ TIMING		User CV19	0.80
	Freq	320	User CV21	1.00
	Phase	288	TR Min	2500.0
	Freq DIR	S/I	TR Max	8000.0
	Fat Shift DIR	Normal (I)	User CV41	5.00
	NEX	1.50	User CV Mask2	1024
	Phase FOV	1.00	MULTI-PHASE	
	Auto Shim	Auto	Seperate Series	0
	Phase Correction	Yes	Mask Phase	0
	RF Drive Mode	Preset	Mask Pause	0
	Excitation Mode	Selective	Preserve	0
	FMRI		DIFFUSION	
	PSD Trigger	Internal	Recon All Images	On
	View Order	Bottom/Up	# Synthetic b-values	1
	# of Repetitions REST	0	Synthetic b-value	1000.0;
	# of Repetitions ACTIVE	0	CONTRAST	
	SAT		Contrast Yes/No	No
	SAT Location	R		
	Tag Type	None		
	Fat/Water Saturation	Fat Classic		
	TRICKS			
	Pause On/Off	On		
	Auto Subtract	0		
	Auto SCIC	3		

Cor T2 FSE FS - Cor T2 FSE FS

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SAG T1 FSE - SAG T1 FSE

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	FSE-XL
Imaging Options	EDR, TRF, Fast, ZIP1024, ARC
Phase	2.00
SCAN RANGE	
FOV	15.0
Slice Thickness	2.50
Slice Spacing	0.3
Overlap Locations	0
Number of Slices	39
ACQ TIMING	
Freq	320
Phase	320
Freq DIR	A/P
Fat Shift DIR	Normal (P)
NEX	1.50
# of Acq. Before Pause	0
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes
RF Drive Mode	Preset
Excitation Mode	Selective
FMRI	
PSD Trigger	Internal
View Order	Bottom/Up
# of Repetitions REST	0
# of Repetitions ACTIVE	0
SAT	
Tag Type	None
TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	3

SCAN TIMING	
Flip Angle	111
TE	Min Full
Number of Echoes	1
TR	582.0
Echo Train Length	5
Receiver Bandwidth	62.50
IMAGE ENHANCE	
Filter Choice	None
USER CVS	
User CV21	1.00
TR Min	350.0
TR Max	800.0
User CV41	5.00
User CV Mask2	1024
MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
Preserve	0
DIFFUSION	
Recon All Images	On
Multi b-values	1000.0;
Multi NEX Values	1.0;
# Synthetic b-values	1
Synthetic b-value	1000.0;
CONTRAST	
Contrast Yes/No	No

SAG T1 FSE - SAG T1 FSE

Protocol: adult_upperExtremities_MSK -Shoulder

IMAGING PARAMETERS

Imaging Mode	2D
Pulse Sequence	FSE-XL
Imaging Options	EDR, TRF, Fast, FR, ARC
Phase	2.00

SCAN RANGE

FOV	14.0
Slice Thickness	3.00
Slice Spacing	0.3
Overlap Locations	0
Number of Slices	25

ACQ TIMING

Freq	384
Phase	384
Freq DIR	S/I
Fat Shift DIR	Normal (I)
NEX	1.00
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes
RF Drive Mode	Preset
Excitation Mode	Selective

FMRI

PSD Trigger	Internal
View Order	Bottom/Up
# of Repetitions REST	0
# of Repetitions ACTIVE	0

SAT

Tag Type	None
Fat/Water Saturation	Fat Classic

TRICKS

Pause On/Off	On
Auto Subtract	0
Auto SCIC	3

SCAN TIMING

Flip Angle	111
TE	30.0
Number of Echoes	1
TR	2564.0
Echo Train Length	8
Receiver Bandwidth	62.50

IMAGE ENHANCE

Filter Choice	None
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USER CVS

User CV19	0.80
TR Min	1800.0
TR Max	4000.0
User CV41	5.00
User CV Mask2	1024

MULTI-PHASE

Seperate Series	0
Mask Phase	0
Mask Pause	0
Preserve	0

DIFFUSION

Recon All Images	On
Multi b-values	1000.0;
Multi NEX Values	1.0;
# Synthetic b-values	1
Synthetic b-value	1000.0;

CONTRAST

Contrast Yes/No	No
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GLENOID PD frFSE FS - GLENOID PD frFSE FS

GLENOID PD frFSE FS - GLENOID PD frFSE FS

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Ax Shoulder MR Bone - Ax Shoulder MR Bone	IMAGING PARAMETERS		SCAN TIMING	
	Imaging Mode	3D	Flip Angle	1
	Pulse Sequence	SPGR	Number of Echoes	1
	Imaging Options	Fast, SqP	TR	Minimum
	PSD Name	ozteo	Receiver Bandwidth	62.50
	SCAN RANGE		IMAGE ENHANCE	
	FOV	18.0	Filter Choice	G
	Slice Thickness	1.00	GATING/TRIGGER	
	Overlap Locations	0	Pause After Navigator	0
	Number of Slices	1	Prescan	
	ACQ TIMING		FMRI	
	Freq	180	PSD Trigger	Internal
	Freq DIR	R/L	View Order	Bottom/Up
	NEX	5.60	# of Repetitions REST	0
	Auto Shim	Auto	# of Repetitions ACTIVE	0
	Phase Correction	No	SAT	
	RF Drive Mode	Preset	Tag Type	None
	Excitation Mode	Selective	TRICKS	
	Spokes Per Segment	384	Pause On/Off	On
	USER CVS		Auto Subtract	0
	User CV Mask2	1024	Auto SCIC	3
	MULTI-PHASE			
	Seperate Series	0		
	Mask Phase	0		
	Mask Pause	0		
	Preserve	0		
	DIFFUSION			
	Recon All Images	On		
	Multi b-values	1000.0;		
	Multi NEX Values	1.0;		
	# Synthetic b-values	1		
	Synthetic b-value	1000.0;		
	CONTRAST			
	Contrast Yes/No	No		

Ax Shoulder MR Bone - Ax Shoulder MR Bone