

Protocol: adult_upperExtremities_MSK - Wrist

IMAGING PARAMETERS

Imaging Mode 2D
Pulse Sequence Gradient Echo
Imaging Options Seq, Fast

SCAN RANGE

FOV 28.0
Slice Thickness 5.00
Slice Spacing 5.0
Overlap Locations 0

ACQ TIMING

Freq 256
Phase 128
Freq DIR Unswap
NEX 1.00
Phase FOV 1.00
Auto Shim Auto
Phase Correction No
RF Drive Mode Optimized
Excitation Mode Selective

USER CVS

User CV20 1.00
User CV Mask2 0

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

SCAN TIMING

Number of Echoes 1

IMAGE ENHANCE

Filter Choice None

GATING/TRIGGER

Pause After Navigator Prescan 0

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 Off

3-Plane Loc Right - 3-Plane Loc Right

3-Plane Loc Right - 3-Plane Loc Right

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3-Plane Loc Right - 3-Plane Loc Right	IMAGING PARAMETERS		SCAN TIMING	
	Imaging Mode	2D	Number of Echoes	1
	Pulse Sequence	Gradient Echo	IMAGE ENHANCE	
	Imaging Options	Seq, Fast	Filter Choice	None
	SCAN RANGE		GATING/TRIGGER	
	FOV	28.0	Pause After Navigator Prescan	0
	Slice Thickness	5.00	FMRI	
	Slice Spacing	5.0	PSD Trigger	Internal
	Overlap Locations	0	View Order	Bottom/Up
	ACQ TIMING		# of Repetitions REST	0
	Freq	256	# of Repetitions ACTIVE	0
	Phase	128	SAT	
	Freq DIR	Unswap	Tag Type	None
	NEX	1.00	TRICKS	
	Phase FOV	1.00	Pause On/Off	On
	Auto Shim	Auto	Auto Subtract	0
	Phase Correction	No	Auto SCIC	Off
	RF Drive Mode	Optimized		
	Excitation Mode	Selective		
	USER CVS			
	User CV20	1.00		
	User CV Mask2	0		
	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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3PL LOC SMALL fov - 3PL LOC SMALL fov	IMAGING PARAMETERS		SCAN TIMING	
	Imaging Mode	2D	Number of Echoes	1
	Pulse Sequence	Gradient Echo	IMAGE ENHANCE	
	Imaging Options	Seq, Fast	Filter Choice	None
	SCAN RANGE		GATING/TRIGGER	
	FOV	27.0	Pause After Navigator Prescan	0
	Slice Thickness	5.00	FMRI	
	Slice Spacing	5.0	PSD Trigger	Internal
	Overlap Locations	0	View Order	Bottom/Up
	ACQ TIMING		# of Repetitions REST	0
	Freq	256	# of Repetitions ACTIVE	0
	Phase	128	SAT	
	Freq DIR	Unswap	Tag Type	None
	NEX	1.00	TRICKS	
	Phase FOV	1.00	Pause On/Off	On
	Auto Shim	Auto	Auto Subtract	0
	Phase Correction	No	Auto SCIC	Off
	RF Drive Mode	Optimized		
	Excitation Mode	Selective		
	USER CVS			
	User CV20	1.00		
	User CV Mask2	0		
	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		

3PL LOC SMALL fov - 3PL LOC SMALL fov

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ARDL HIGH COR T1 - ARDL HIGH COR T1

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	FSE-XL
Imaging Options	EDR, TRF, Fast, ZIP1024
SCAN RANGE	
FOV	10.0
Slice Thickness	2.00
Slice Spacing	0.2
Overlap Locations	0
Number of Slices	25
ACQ TIMING	
Freq	512
Phase	448
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	Optimized
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	142
TE	Min Full
Number of Echoes	1
TR	426.0
Echo Train Length	4
Receiver Bandwidth	62.50
IMAGE ENHANCE	
Filter Choice	None
USER CVS	
TR Min	300.0
TR Max	600.0
User CV30	1.00
User CV Mask2	0
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

ARDL HIGH COR T1 - ARDL HIGH COR T1

Protocol: adult_upperExtremities_MSK - Wrist

IMAGING PARAMETERS

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

SCAN RANGE

FOV 10.0
Slice Thickness 2.00
Slice Spacing 0.2
Overlap Locations 0
Number of Slices 25

ACQ TIMING

Freq 288
Phase 288
Freq DIR S/I
Fat Shift DIR Normal (I)
NEX 1.50
Phase FOV 1.00
Auto Shim Auto
Phase Correction Yes
RF Drive Mode Optimized
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 142
TE 35.0
Number of Echoes 1
TR 2500.0
Echo Train Length 8
Receiver Bandwidth 41.67

IMAGE ENHANCE

Filter Choice None

USER CVS

User CV19 1.00
User CV21 1.00
TR Min 2500.0
TR Max 4000.0
User CV30 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

ARDL MED COR PD FS - ARDL MED COR PD FS

ARDL MED COR PD FS - ARDL MED COR PD FS

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IMAGING PARAMETERS

Imaging Mode 2D
Pulse Sequence FSE-XL
Imaging Options TRF, Fast, FR

SCAN RANGE

FOV 10.0
Slice Thickness 2.00
Slice Spacing 0.2
Overlap Locations 0
Number of Slices 30

ACQ TIMING

Freq 320
Phase 288
Freq DIR R/L
Fat Shift DIR Normal (L)
NEX 1.50
Phase FOV 1.00
Auto Shim Auto
Phase Correction Yes
RF Drive Mode Optimized
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 142
TE 35.0
Number of Echoes 1
TR 3187.0
Echo Train Length 9
Receiver Bandwidth 41.67

IMAGE ENHANCE

Filter Choice None

USER CVS

User CV19 1.00
TR Min 2000.0
TR Max 3500.0
User CV30 1.00
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

ARDL MED Ax PD FS - ARDL MED Ax PD FS

ARDL MED Ax PD FS - ARDL MED Ax PD FS

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IMAGING PARAMETERS

Imaging Mode *2D*
Pulse Sequence *FSE-XL*
Imaging Options *EDR, TRF, Fast*

SCAN RANGE

FOV *10.0*
Slice Thickness *2.00*
Slice Spacing *0.2*
Overlap Locations *0*
Number of Slices *32*

ACQ TIMING

Freq *352*
Phase *288*
Freq DIR *S/I*
Fat Shift DIR *Normal (S)*
NEX *1.50*
of Acq. Before Pause *0*
Phase FOV *0.70*
Auto Shim *Auto*
Phase Correction *Yes*
RF Drive Mode *Optimized*
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 *2*

CONTRAST

Contrast Yes/No *No*

SCAN TIMING

Flip Angle *142*
TE *35.0*
Number of Echoes *1*
TR *1800.0*
Echo Train Length *9*
Receiver Bandwidth *41.67*

IMAGE ENHANCE

Filter Choice *None*

USER CVS

User CV19 *1.00*
User CV21 *1.00*
TR Min *1800.0*
TR Max *3200.0*
User CV30 *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;*

TRACKER

Tracker Length *200.0*
Tracker Thickness *20.0*

ARDL MED SAG pd fs - ARDL MED SAG pd fs

ARDL MED SAG pd fs - ARDL MED SAG pd fs

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COR Small FOV MR Bone - COR Small FOV MR Bone	IMAGING PARAMETERS		SCAN TIMING	
	Imaging Mode	3D	Flip Angle	2
	Pulse Sequence	SPGR	Number of Echoes	1
	Imaging Options	Fast, SqP	Receiver Bandwidth	50.00
	PSD Name	ozteo	IMAGE ENHANCE	
	SCAN RANGE		Filter Choice	None
	FOV	15.0	GATING/TRIGGER	
	Slice Thickness	1.50	Pause After Navigator Prescan	0
	Overlap Locations	0	FMRI	
	Number of Slices	1	PSD Trigger	Internal
	ACQ TIMING		View Order	Bottom/Up
	Freq	200	# of Repetitions REST	0
	Freq DIR	S/I	# of Repetitions ACTIVE	0
	NEX	8.00	SAT	
	Auto Shim	Auto	Tag Type	None
	Phase Correction	No	TRICKS	
	RF Drive Mode	Optimized	Pause On/Off	On
	Excitation Mode	Selective	Auto Subtract	0
	Spokes Per Segment	384	Auto SCIC	3
	USER CVS			
	User CV Mask2	0		
	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		