

Protocol: adult_upperExtremities_MSK - Hand

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		
	# Synthetic b-values	1		
	Synthetic b-value	1000.0;		
	CONTRAST			
	Contrast Yes/No	No		

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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*
Number of Slices *24*

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 Left - 3-Plane Loc Left

3-Plane Loc Left - 3-Plane Loc Left

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IMAGING PARAMETERS

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

SCAN RANGE

FOV *27.0*
Slice Thickness *5.00*
Slice Spacing *5.0*
Overlap Locations *0*
Number of Slices *21*

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*
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*

3PL LOC SMALL fov - 3PL LOC SMALL fov

3PL LOC SMALL fov - 3PL LOC SMALL fov

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IMAGING PARAMETERS

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

SCAN RANGE

FOV 27.0
Slice Thickness 5.00
Slice Spacing 5.0
Overlap Locations 0
Number of Slices 21

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
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

--SALINE BAG--

--SALINE BAG--

Protocol: adult_upperExtremities_MSK - Hand

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	22.0
Slice Thickness	3.00
Slice Spacing	0.3
Overlap Locations	0
Number of Slices	22
ACQ TIMING	
Freq	448
Phase	352
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	Off

SCAN TIMING	
Flip Angle	142
TE	Min Full
Number of Echoes	1
TR	458.0
Echo Train Length	4
Receiver Bandwidth	41.67
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 - Hand

ARDL MED COR PD FS - ARDL MED COR PD FS	IMAGING PARAMETERS		SCAN TIMING	
	Imaging Mode	2D	Flip Angle	142
	Pulse Sequence	FSE-XL	TE	35.0
	Imaging Options	EDR, TRF, Fast, FR	Number of Echoes	1
	SCAN RANGE		TR	2500.0
	FOV	22.0	Echo Train Length	8
	Slice Thickness	3.00	Receiver Bandwidth	31.25
	Slice Spacing	0.3	IMAGE ENHANCE	
	Overlap Locations	0	Filter Choice	None
	Number of Slices	22	USER CVS	
	ACQ TIMING		User CV19	1.00
	Freq	288	User CV21	1.00
	Phase	224	TR Min	2500.0
	Freq DIR	S/I	TR Max	4000.0
	Fat Shift DIR	Normal (I)	User CV30	1.00
	NEX	1.50	User CV Mask2	0
	Phase FOV	1.00	MULTI-PHASE	
	Auto Shim	Auto	Seperate Series	0
	Phase Correction	Yes	Mask Phase	0
	RF Drive Mode	Optimized	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
	Tag Type	None		
	Fat/Water Saturation	Fat Classic		
	TRICKS			
	Pause On/Off	On		
	Auto Subtract	0		
	Auto SCIC	Off		

ARDL MED COR PD FS - ARDL MED COR PD FS

Protocol: adult_upperExtremities_MSK - Hand

IMAGING PARAMETERS

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

SCAN RANGE

FOV 20.0
Slice Thickness 3.00
Slice Spacing 0.3
Overlap Locations 0
Number of Slices 64

ACQ TIMING

Freq 320
Phase 288
Freq DIR A/P
Fat Shift DIR Normal (A)
NEX 1.50
of Acq. Before Pause 0
Phase FOV 0.60
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 Off

SCAN TIMING

Flip Angle 142
TE 35.0
Number of Echoes 1
TR 3428.0
Echo Train Length 9
Receiver Bandwidth 31.25

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 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 MED Ax PD FS - ARDL MED Ax PD FS

ARDL MED Ax PD FS - ARDL MED Ax PD FS

Protocol: adult_upperExtremities_MSK - Hand

IMAGING PARAMETERS

Imaging Mode	2D
Pulse Sequence	FSE-XL
Imaging Options	EDR, TRF, Fast, FTR, ZIP512, ARC
Phase	2.00

SCAN RANGE

FOV	22.0
Slice Thickness	3.00
Slice Spacing	0.3
Overlap Locations	0
Number of Slices	37

ACQ TIMING

Freq	352
Phase	352
Freq DIR	S/I
Fat Shift DIR	Normal (S)
NEX	1.00
# of Acq. Before Pause	0
Phase FOV	0.60
Auto Shim	Auto
Phase Correction	No
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	Off

CONTRAST

Contrast Yes/No	No
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SCAN TIMING

Flip Angle	142
TE	42.0
Number of Echoes	1
TR	3475.0
Echo Train Length	7
Receiver Bandwidth	27.78

IMAGE ENHANCE

Filter Choice	None
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USER CVS

User CV19	1.00
TR Min	1500.0
TR Max	4000.0
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;

TRACKER

Tracker Length	200.0
Tracker Thickness	20.0

ARDL M SAGITTAL PD FS - ARDL M SAGITTAL PD FS

ARDL M SAGITTAL PD FS - ARDL M SAGITTAL PD FS

Protocol: adult_upperExtremities_MSK - Hand

COR Small FOV MR Bone - COR Small FOV MR Bone

IMAGING PARAMETERS	
Imaging Mode	3D
Pulse Sequence	SPGR
Imaging Options	Fast, SqP
PSD Name	ozteo
SCAN RANGE	
FOV	23.0
Slice Thickness	1.50
Overlap Locations	0
Number of Slices	1
ACQ TIMING	
Freq	200
Freq DIR	S/I
NEX	8.00
Auto Shim	Auto
Phase Correction	No
RF Drive Mode	Optimized
Excitation Mode	Selective
Spokes Per Segment	384
USER CVS	
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

COR Small FOV MR Bone - COR Small FOV MR Bone

SCAN TIMING	
Flip Angle	2
Number of Echoes	1
Receiver Bandwidth	50.00
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	3

COR Small FOV MR Bone - COR Small FOV MR Bone

COR Small FOV MR Bone - COR Small FOV MR Bone