

MSK-THR HIP NEW

Protocol: adult_upperExtremities_MSK ARDL 2022 -SHOULDER ARDL

Right 3-PLANE LOC - Right 3-PLANE LOC	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	36.0	Pause After Navigator Prescan	0
	Slice Thickness	7.00	FMRI	
	Slice Spacing	0.0	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	Single		
	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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Left 3-PLANE LOC - Left 3-PLANE LOC

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Gradient Echo
Imaging Options	Seq, Fast
SCAN RANGE	
FOV	36.0
Slice Thickness	7.00
Slice Spacing	0.0
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	Single
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

Left 3-PLANE LOC - Left 3-PLANE LOC

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

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IMAGING PARAMETERS

Imaging Mode	2D
Pulse Sequence	FSE-XL
Imaging Options	EDR, TRF, Fast, ARC
Phase	1.60

SCAN RANGE

FOV	15.0
Slice Thickness	3.00
Slice Spacing	0.0
Overlap Locations	0
Number of Slices	29

ACQ TIMING

Freq	320
Phase	288
Freq DIR	R/L
Fat Shift DIR	Normal (L)
NEX	1.00
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes
RF Drive Mode	Single
Excitation Mode	Selective

FMRI

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

SAT

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

TRICKS

Pause On/Off	On
Auto Subtract	0
Auto SCIC	2

SCAN TIMING

Flip Angle	160
TE	45.0
Number of Echoes	1
TR	2185.0
Echo Train Length	9
Receiver Bandwidth	27.78

IMAGE ENHANCE

Filter Choice	None
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USER CVS

User CV12	1.00
User CV19	1.00
TR Min	1500.0
TR Max	3500.0
User CV30	1.00
User CV39	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
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AX PD FS - AX PD FS

AX PD FS - AX PD FS

MSK-THR HIP NEW

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COR PD FS - COR PD FS

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	FSE-XL
Imaging Options	EDR, TRF, Fast, ARC
Phase	1.40
SCAN RANGE	
FOV	15.0
Slice Thickness	3.00
Slice Spacing	0.3
Overlap Locations	0
Number of Slices	20
ACQ TIMING	
Freq	320
Phase	288
Freq DIR	S/I
Fat Shift DIR	Normal (S)
NEX	1.00
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes
RF Drive Mode	Single
Excitation Mode	Selective
FMRI	
PSD Trigger	Internal
View Order	Bottom/Up
# of Repetitions REST	0
# of Repetitions ACTIVE	0
SAT	
SAT Location	R
SAT Location	L
SAT Location	I
Tag Type	None
Fat/Water Saturation	Fat Classic
TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	2

COR PD FS - COR PD FS

SCAN TIMING	
Flip Angle	160
TE	41.0
Number of Echoes	1
TR	1500.0
Echo Train Length	9
Receiver Bandwidth	27.78
IMAGE ENHANCE	
Filter Choice	None
USER CVS	
User CV12	1.00
User CV19	1.00
TR Min	1500.0
TR Max	3500.0
User CV30	1.00
User CV39	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

COR PD FS - COR PD FS

MSK-THR HIP NEW

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COR T2 FS - COR T2 FS

IMAGING PARAMETERS

Imaging Mode 2D
Pulse Sequence FSE-XL
Imaging Options EDR, TRF, Fast, ARC
Phase 1.00

SCAN RANGE

FOV 15.0
Slice Thickness 3.00
Slice Spacing 0.3
Overlap Locations 0
Number of Slices 20

ACQ TIMING

Freq 320
Phase 288
Freq DIR S/I
Fat Shift DIR Normal (S)
NEX 1.00
Phase FOV 1.00
Auto Shim Auto
Phase Correction Yes
RF Drive Mode Single
Excitation Mode Selective

FMRI

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

SAT

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

TRICKS

Pause On/Off On
Auto Subtract 0
Auto SCIC 2

SCAN TIMING

Flip Angle 160
TE 68.0
Number of Echoes 1
TR 4318.0
Echo Train Length 15
Receiver Bandwidth 27.78

IMAGE ENHANCE

Filter Choice None

USER CVS

User CV12 1.00
User CV19 1.00
TR Min 3000.0
TR Max 6000.0
User CV30 1.00
User CV39 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

COR T2 FS - COR T2 FS

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IMAGING PARAMETERS

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

SCAN RANGE

FOV 15.0
 Slice Thickness 3.00
 Slice Spacing 0.0
 Overlap Locations 0
 Number of Slices 24

ACQ TIMING

Freq 320
 Phase 320
 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 Single
 Excitation Mode Selective

FMRI

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

SAT

SAT Location R
 SAT Location L
 SAT Location I
 Tag Type None

TRICKS

Pause On/Off On
 Auto Subtract 0
 Auto SCIC 2

SCAN TIMING

Flip Angle 160
 TE Min Full
 Number of Echoes 1
 TR 584.0
 Echo Train Length 4
 Receiver Bandwidth 35.71

IMAGE ENHANCE

Filter Choice None

USER CVS

User CV12 1.00
 TR Min 400.0
 TR Max 600.0
 User CV30 1.00
 User CV39 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

SAG T1 - SAG T1

SAG T1 - SAG T1

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IMAGING PARAMETERS

Imaging Mode 2D
Pulse Sequence FSE-XL
Imaging Options EDR, TRF, Fast, ARC
Phase 1.50

SCAN RANGE

FOV 15.0
Slice Thickness 3.00
Slice Spacing 0.0
Overlap Locations 0
Number of Slices 24

ACQ TIMING

Freq 320
Phase 288
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 Single
Excitation Mode Selective

FMRI

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

SAT

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

TRICKS

Pause On/Off On
Auto Subtract 0
Auto SCIC 2

SCAN TIMING

Flip Angle 160
TE 68.0
Number of Echoes 1
TR 2107.0
Echo Train Length 12
Receiver Bandwidth 27.78

IMAGE ENHANCE

Filter Choice None

USER CVS

User CV12 1.00
User CV19 1.00
TR Min 1500.0
TR Max 6000.0
User CV30 1.00
User CV39 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

Sag T2 FS - Sag T2 FS

Sag T2 FS - Sag T2 FS

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IMAGING PARAMETERS

Imaging Mode *3D*
Pulse Sequence *SPGR*
Imaging Options *Fast, SqP*
PSD Name *ozteo*

SCAN RANGE

FOV *21.0*
Slice Thickness *1.10*
Overlap Locations *0*
Number of Slices *1*

ACQ TIMING

Freq *200*
Freq DIR *R/L*
NEX *8.00*
Auto Shim *Auto*
Phase Correction *No*
RF Drive Mode *Single*
Excitation Mode *Selective*
Spokes Per Segment *384*

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*

SCAN TIMING

Flip Angle *2*
Number of Echoes *1*
Receiver Bandwidth *50.00*

IMAGE ENHANCE

Filter Choice *None*

GATING/TRIGGER

Pause After Navigator *0*
Prescan

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*

ax Small FOV MR Bone - ax Small FOV MR Bone

ax Small FOV MR Bone - ax Small FOV MR Bone