

Protocol: adult_upperExtremities_FINGER

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Fiesta
Coil Configuration	HD T/R Knee Array by Invivo; HD Wrist Array by Invivo	Imaging Options	Seq, Fast
SCAN TIMING		SCAN RANGE	
Plane	3-PLANE	FOV	24.0
Series Description	3-Plane Localizer	Slice Thickness	5.0
Flip Angle	50	Slice Spacing	5.0
TE	Minimum	ACQ TIMING	
Number of Echoes	1	Freq	256
Receiver Bandwidth	62.50	Phase	128
IMAGE ENHANCE		Freq DIR	Unswap
Filter Choice	None	NEX	1.00
GATING/TRIGGER		# of Acq. Before Pause	0
Auto Trigger Type	Off	Phase FOV	1.00
MULTI-PHASE		Auto Shim	Auto
Seperate Series	0	Phase Correction	No
Mask Phase	0	FMRI	
Mask Pause	0	PSD Trigger	Internal
DIFFUSION		Slice Order	Interleaved
Recon All Images	On	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

3-Plane Localizer

3-Plane Localizer

Protocol: adult_upperExtremities_FINGER

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD Wrist Array by Invivo	Imaging Options	NPW, Fast, MRF
Plane	OBLIQUE	SCAN RANGE	
Series Description	AX T1	FOV	12.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	180	Slice Spacing	0.3
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	320
TR	402.0	Phase	224
Echo Train Length	3	Freq DIR	Unswap
Receiver Bandwidth	31.25	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	2.00
Filter Choice	None	# of Acq. Before Pause	0
GATING/TRIGGER		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
FMRI		Phase Correction	Yes
PSD Trigger	Internal	USER CVS	
Slice Order	Interleaved	User CV8	1.00
View Order	Bottom/Up	User CV22	1.00
# of Repetitions REST	0	TR Min	350.0
# of Repetitions ACTIVE	0	TR Max	750.0
SAT		MULTI-PHASE	
Tag Type	None	Seperate Series	0
TRICKS		Mask Phase	0
Pause On/Off	On	Mask Pause	0
Auto Subtract	0	DIFFUSION	
Auto SCIC	Off	Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

AX T1

AX T1

Protocol: adult_upperExtremities_FINGER

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD T/R Knee Array by Invivo; HD Wrist Array by Invivo	Imaging Options	NPW, TRF, Fast, MRF
SCAN TIMING		SCAN RANGE	
Plane	OBLIQUE	FOV	12.0
Series Description	AX PD FSE FS	Slice Thickness	3.0
Flip Angle	160	Slice Spacing	0.3
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	2361.0	Phase	192
Echo Train Length	8	Freq DIR	Unswap
Receiver Bandwidth	25.00	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	4.00
Filter Choice	None	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	User CV19	1.00
Slice Order	Interleaved	TR Min	2000.0
View Order	Bottom/Up	TR Max	4000.0
# of Repetitions REST	0	MULTI-PHASE	
# of Repetitions ACTIVE	0	Seperate Series	0
SAT		Mask Phase	0
SAT Location	S	Mask Pause	0
SAT Location	I	DIFFUSION	
Tag Type	None	Recon All Images	On
Fat/Water Saturation	Fat Classic	CONTRAST	
TRICKS		Contrast Yes/No	No
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	2		

AX PD FSE FS

AX PD FSE FS

Protocol: adult_upperExtremities_FINGER

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD Wrist Array by Invivo	Imaging Options	TRF, Fast, MRF
Plane	OBLIQUE	SCAN RANGE	
Series Description	COR T1	FOV	12.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	160	Slice Spacing	0.3
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	320
TR	484.0	Phase	224
Echo Train Length	3	Freq DIR	Unswap
Receiver Bandwidth	31.25	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	2.00
Filter Choice	None	# of Acq. Before Pause	0
GATING/TRIGGER		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
FMRI		Phase Correction	Yes
PSD Trigger	Internal	USER CVS	
Slice Order	Interleaved	User CV8	1.00
View Order	Bottom/Up	User CV22	1.00
# of Repetitions REST	0	TR Min	350.0
# of Repetitions ACTIVE	0	TR Max	750.0
SAT		MULTI-PHASE	
SAT Location	S	Seperate Series	0
SAT Location	I	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

COR T1

COR T1

Protocol: adult_upperExtremities_FINGER

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD T/R Knee Array by Invivo; HD Wrist Array by Invivo	Imaging Options	NPW, TRF, Fast, MRF
SCAN TIMING		SCAN RANGE	
Plane	OBLIQUE	FOV	12.0
Series Description	COR PD FSE FS	Slice Thickness	3.0
Flip Angle	160	Slice Spacing	0.3
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	2361.0	Phase	192
Echo Train Length	8	Freq DIR	Unswap
Receiver Bandwidth	25.00	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	4.00
Filter Choice	None	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	User CV19	1.00
Slice Order	Interleaved	TR Min	2000.0
View Order	Bottom/Up	TR Max	4000.0
# of Repetitions REST	0	MULTI-PHASE	
# of Repetitions ACTIVE	0	Seperate Series	0
SAT		Mask Phase	0
SAT Location	S	Mask Pause	0
SAT Location	I	DIFFUSION	
Tag Type	None	Recon All Images	On
Fat/Water Saturation	Fat Classic	CONTRAST	
TRICKS		Contrast Yes/No	No
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	2		

COR PD FSE FS

COR PD FSE FS

Protocol: adult_upperExtremities_FINGER

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD T/R Knee Array by Invivo; HD Wrist Array by Invivo	Imaging Options	FC, Seq, TRF, Fast, MRF, IrP
Plane	OBLIQUE	PSD Name	fse-xl
Series Description	Cor STIR	SCAN RANGE	
SCAN TIMING		FOV	12.0
Flip Angle	160	Slice Thickness	3.0
TE	42.0	Slice Spacing	0.3
Number of Echoes	1	ACQ TIMING	
TR	3800.0	Freq	288
TI	110	Phase	160
Echo Train Length	6	Freq DIR	Unswap
Receiver Bandwidth	20.83	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	2.00
Filter Choice	None	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		Flow Direction Compensation	Slice
PSD Trigger	Internal	USER CVS	
Slice Order	Interleaved	User CV22	1.00
View Order	Bottom/Up	MULTI-PHASE	
# of Repetitions REST	0	Seperate Series	0
# of Repetitions ACTIVE	0	Mask Phase	0
SAT		Mask Pause	0
SAT Location	S	DIFFUSION	
SAT Location	I	Recon All Images	On
Tag Type	None	CONTRAST	
TRICKS		Contrast Yes/No	No
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	Off		

Cor STIR

Cor STIR

Protocol: adult_upperExtremities_FINGER

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HD T/R Knee Array by Invivo; HD Wrist Array by Invivo	Imaging Options	NPW, TRF, Fast, MRF
SCAN TIMING		SCAN RANGE	
Plane	OBLIQUE	FOV	12.0
Series Description	SAG PD FSE FS	Slice Thickness	3.0
Flip Angle	160	Slice Spacing	0.3
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	2361.0	Phase	192
Echo Train Length	8	Freq DIR	Unswap
Receiver Bandwidth	25.00	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	4.00
Filter Choice	None	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	User CV19	1.00
Slice Order	Interleaved	TR Min	2000.0
View Order	Bottom/Up	TR Max	4000.0
# of Repetitions REST	0	MULTI-PHASE	
# of Repetitions ACTIVE	0	Seperate Series	0
SAT		Mask Phase	0
SAT Location	S	Mask Pause	0
SAT Location	I	DIFFUSION	
Tag Type	None	Recon All Images	On
Fat/Water Saturation	Fat Classic	CONTRAST	
TRICKS		Contrast Yes/No	No
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	2		

SAG PD FSE FS

SAG PD FSE FS