

Protocol: adult_template_GHIEAGENUNCHISTD_20180418183732630_1

3-Plane Localizer

PATIENT POSITION	
Patient Entry	Feet First
Patient Position	Supine
Coil Configuration	Extremity
Plane	3-PLANE
Series Description	3-Plane Localizer
SCAN TIMING	
TE	80.0
Number of Echoes	1
TR	Minimum
Receiver Bandwidth	62.50
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	Off
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

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	Seq, EDR, Fast, SS
SCAN RANGE	
FOV	28.0
Slice Thickness	5.0
Slice Spacing	6.0
ACQ TIMING	
Freq	384
Phase	256
Freq DIR	Unswap
# of Acq. Before Pause	0
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	No
USER CVS	
User CV1	1.00
User CV2	240.00
User CV13	1.00
MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Recon All Images	On
CONTRAST	
Contrast Yes/No	No

3-Plane Localizer

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Sag PD FSE FS	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Feet First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Extremity	Imaging Options	FC, NPW, EDR, TRF, Fast, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Sag PD FSE FS	FOV	16.0
	SCAN TIMING		Slice Thickness	3.0
	Flip Angle	160	Slice Spacing	0.5
	TE	35.0	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	3968.0	Phase	320
	Echo Train Length	12	Freq DIR	A/P
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (P)
	IMAGE ENHANCE		NEX	4.00
	Filter Choice	None	Auto Shim	Auto
	GATING/TRIGGER		Phase Correction	No
	Auto Trigger Type	Off	Flow Direction	Freq
	FMRI		Compensation	
	PSD Trigger	Internal	USER CVS	
	Slice Order	Interleaved	User CV18	1.00
	View Order	Bottom/Up	User CV19	1.00
	# of Repetitions REST	0	User CV21	1.00
	# of Repetitions ACTIVE	0	User CV22	1.00
	SAT		TR Min	1500.0
	SAT Location	S	TR Max	10000.0
	SAT Location	I	MULTI-PHASE	
	Tag Type	None	Seperate Series	0
	Fat/Water Saturation	Fat Classic	Mask Phase	0
	TRICKS		Mask Pause	0
	Pause On/Off	On	DIFFUSION	
	Auto Subtract	0	Recon All Images	On
	Auto SCIC	Off	CONTRAST	
			Contrast Yes/No	No

Sag PD FSE FS

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Cor PD FSE FS	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Feet First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Extremity	Imaging Options	FC, EDR, TRF, Fast
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Cor PD FSE FS	FOV	16.0
	SCAN TIMING		Slice Thickness	3.0
	Flip Angle	160	Slice Spacing	0.3
	TE	35.0	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	3489.0	Phase	320
	Echo Train Length	12	Freq DIR	S/I
	Receiver Bandwidth	35.71	Fat Shift DIR	Normal (I)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	None	Phase FOV	0.80
	GATING/TRIGGER		Auto Shim	On
	Auto Trigger Type	Off	Phase Correction	No
	FMRI		Flow Direction Compensation	Freq
	PSD Trigger	Internal	USER CVS	
	Slice Order	Interleaved	User CV7	1.00
	View Order	Bottom/Up	User CV15	2.00
	# of Repetitions REST	0	User CV18	1.00
	# of Repetitions ACTIVE	0	User CV19	0.80
	SAT		User CV21	1.00
	Tag Type	None	User CV22	1.00
	Fat/Water Saturation	Fat Classic	TR Min	1500.0
	TRICKS		TR Max	10000.0
	Pause On/Off	On	MULTI-PHASE	
	Auto Subtract	0	Seperate Series	0
	Auto SCIC	On	Mask Phase	0
			Mask Pause	0
			DIFFUSION	
			Recon All Images	On
			CONTRAST	
			Contrast Yes/No	No

Cor PD FSE FS

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Ax PD FSE FS	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Feet First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Extremity	Imaging Options	FC, EDR, TRF, Fast, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Ax PD FSE FS	FOV	16.0
	SCAN TIMING		Slice Thickness	3.0
	Flip Angle	160	Slice Spacing	0.3
	TE	35.0	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	4106.0	Phase	256
	Echo Train Length	8	Freq DIR	A/P
	Receiver Bandwidth	31.25	Fat Shift DIR	Normal (A)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	None	Phase FOV	0.80
	GATING/TRIGGER		Auto Shim	On
	Auto Trigger Type	Off	Phase Correction	No
	FMRI		Flow Direction Compensation	Slice
	PSD Trigger	Internal	USER CVS	
	Slice Order	Interleaved	User CV7	1.00
	View Order	Bottom/Up	User CV18	1.00
	# of Repetitions REST	0	User CV19	1.00
	# of Repetitions ACTIVE	0	User CV21	1.00
	SAT		User CV22	1.00
	SAT Location	S	TR Min	1500.0
	SAT Location	I	TR Max	10000.0
	Tag Type	None	MULTI-PHASE	
	Fat/Water Saturation	Fat Classic	Seperate Series	0
	TRICKS		Mask Phase	0
	Pause On/Off	On	Mask Pause	0
	Auto Subtract	0	DIFFUSION	
	Auto SCIC	On	Recon All Images	On
			CONTRAST	
			Contrast Yes/No	No

Ax PD FSE FS

Sag T1 FSE 384	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Feet First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Extremity	Imaging Options	NPW, EDR, TRF, Fast
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Sag T1 FSE 384	FOV	16.0
	SCAN TIMING		Slice Thickness	3.0
	Flip Angle	160	Slice Spacing	0.5
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	384
	TR	447.0	Phase	320
	Echo Train Length	3	Freq DIR	S/I
	Receiver Bandwidth	31.25	Fat Shift DIR	Normal (S)
	IMAGE ENHANCE		NEX	1.00
	Filter Choice	A	# of Acq. Before Pause	0
	GATING/TRIGGER		Auto Shim	On
	Auto Trigger Type	Off	Phase Correction	No
	FMRI		USER CVS	
	PSD Trigger	Internal	User CV16	1.00
	Slice Order	Interleaved	User CV17	1.00
	View Order	Bottom/Up	User CV18	1.00
	# of Repetitions REST	0	TR Min	350.0
	# of Repetitions ACTIVE	0	TR Max	850.0
	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	2	Contrast Yes/No	No

Sag T1 FSE 384

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Cor PD FSE HR 384 2NEX SG	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Feet First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Extremity	Imaging Options	FC, EDR, TRF, Fast, ZIP1024
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Cor PD FSE HR 384 2NEX SG	FOV	14.0
	SCAN TIMING		Slice Thickness	2.8
	Flip Angle	160	Slice Spacing	0.3
	TE	40.0	ACQ TIMING	
	Number of Echoes	1	Freq	384
	TR	4504.0	Phase	256
	Echo Train Length	12	Freq DIR	S/I
	Receiver Bandwidth	35.71	Fat Shift DIR	Normal (I)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	None	Phase FOV	0.85
	GATING/TRIGGER		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	No
	FMRI		Flow Direction Compensation	Freq
	PSD Trigger	Internal	USER CVS	
	Slice Order	Interleaved	User CV7	1.00
	View Order	Bottom/Up	User CV15	2.00
	# of Repetitions REST	0	User CV18	1.00
	# of Repetitions ACTIVE	0	User CV21	1.00
	SAT		User CV22	1.00
	Tag Type	None	TR Min	1500.0
	TRICKS		TR Max	10000.0
	Pause On/Off	On	MULTI-PHASE	
	Auto Subtract	0	Seperate Series	0
	Auto SCIC	On	Mask Phase	0
			Mask Pause	0
			DIFFUSION	
			Recon All Images	On
			CONTRAST	
			Contrast Yes/No	No

Cor PD FSE HR 384 2NEX SG

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Ax 2D MERGE

PATIENT POSITION	
Patient Entry	Feet First
Patient Position	Supine
Coil Configuration	Extremity
Plane	OBLIQUE
Series Description	Ax 2D MERGE
SCAN TIMING	
Flip Angle	20
Number of Echoes	3
TR	705.0
Receiver Bandwidth	31.25
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	Off
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

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	MERGE
Imaging Options	FC, EDR, Fast
SCAN RANGE	
FOV	14.0
Slice Thickness	3.0
Slice Spacing	0.3
ACQ TIMING	
Freq	288
Phase	192
Freq DIR	A/P
NEX	1.00
Phase FOV	0.90
Auto Shim	Auto
Phase Correction	No
USER CVS	
User CV19	2.00
TR Min	500.0
TR Max	1000.0
MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Recon All Images	On
CONTRAST	
Contrast Yes/No	No

Ax 2D MERGE

Ax 2D MERGE