

Protocol: adult_template_GHIEAUMARSTD_20180418183752416_1

LOC

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	GEM Flex Medium Array
Plane	3-PLANE
Series Description	LOC
SCAN TIMING	
Flip Angle	50
TE	Minimum
Number of Echoes	1
Receiver Bandwidth	62.50
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	Off
MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Recon All Images	On
CONTRAST	
Contrast Yes/No	No

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Fiesta
Imaging Options	NPW, Seq, Fast
SCAN RANGE	
FOV	30.0
Slice Thickness	5.0
Slice Spacing	5.0
ACQ TIMING	
Freq	256
Phase	128
Freq DIR	Unswap
NEX	2.00
# of Acq. Before Pause	0
Auto Shim	Auto
Phase Correction	No
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

LOC

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LOC SAG	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Fiesta
	Coil Configuration	GEM Flex Medium Array	Imaging Options	NPW, Seq, Fast
	Plane	3-PLANE	SCAN RANGE	
	Series Description	LOC SAG	FOV	30.0
	SCAN TIMING		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	2.00
	GATING/TRIGGER		# of Acq. Before Pause	0
	Auto Trigger Type	Off	Auto Shim	Auto
	MULTI-PHASE		Phase Correction	No
	Seperate Series	0	FMRI	
	Mask Phase	0	PSD Trigger	Internal
	Mask Pause	0	Slice Order	Interleaved
	DIFFUSION		View Order	Bottom/Up
	Recon All Images	On	# of Repetitions REST	0
	CONTRAST		# of Repetitions ACTIVE	0
	Contrast Yes/No	No	SAT	
			Tag Type	None
			TRICKS	
			Pause On/Off	On
			Auto Subtract	0
			Auto SCIC	Off

LOC SAG

Ax 2D MERGE	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	MERGE
	Coil Configuration	GEM Flex Medium Array	Imaging Options	FC, NPW, EDR, Fast, ZIP512, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Ax 2D MERGE	FOV	15.0
	SCAN TIMING		Slice Thickness	3.0
	Flip Angle	20	Slice Spacing	0.0
	Number of Echoes	3	ACQ TIMING	
	TR	621.0	Freq	320
	Receiver Bandwidth	27.78	Phase	224
	IMAGE ENHANCE		Freq DIR	R/L
	Filter Choice	None	NEX	2.00
	GATING/TRIGGER		Auto Shim	On
	Auto Trigger Type	Off	Phase Correction	No
	FMRI		USER CVS	
	PSD Trigger	Internal	User CV19	2.00
	Slice Order	Interleaved	TR Min	500.0
	View Order	Bottom/Up	TR Max	1000.0
	# of Repetitions REST	0	MULTI-PHASE	
	# of Repetitions ACTIVE	0	Seperate Series	0
SAT		Mask Phase		0
Tag Type		Mask Pause		0
TRICKS		DIFFUSION		
Pause On/Off		Recon All Images		On
Auto Subtract		CONTRAST		
Auto SCIC		Contrast Yes/No		No

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COR T2 PROPELLER FS

PATIENT POSITION	
Coil Configuration	GEM Flex Medium
Plane	Oblique
SCAN TIMING	
Flip Angle	140.0Degrees
TE	112.64ms
TR	4.879s
Echo Train Length	32
Receiver Bandwidth	83.333KHz
ACQ TIMING	
Freq	288
Phase	56
Freq DIR	S/I
Fat Shift DIR	Normal (S)
NEX	3.5
Phase FOV	15.0cm

IMAGING PARAMETERS	
Gradient Mode	NA
SCAN RANGE	
FOV	15.0cm
Slice Thickness	3.0mm
Slice Spacing	0.5mm
MRECHO	
Gating Disable	true

COR T2 PROPELLER FS

NEX 3.5
Phase FOV 15.0cm

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SAG PD PROPELLER FS

PATIENT POSITION	
Coil Configuration	GEM Flex Medium
Plane	Oblique
SCAN TIMING	
Flip Angle	160.0Degrees
TE	121.992ms
TR	4.692s
Echo Train Length	34
Receiver Bandwidth	83.333KHz
ACQ TIMING	
Freq	288
Phase	64
Freq DIR	S/I
Fat Shift DIR	Normal (I)
NEX	3.5
Phase FOV	15.0cm

IMAGING PARAMETERS	
Gradient Mode	NA
SCAN RANGE	
FOV	15.0cm
Slice Thickness	3.0mm
Slice Spacing	0.5mm
MRECHO	
Gating Disable	true

SAG PD PROPELLER FS

SAG T1	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	GEM Flex Medium Array	Imaging Options	NPW, EDR, TRF, Fast, ZIP512
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	SAG T1	FOV	15.0
	SCAN TIMING		Slice Thickness	3.2
	Flip Angle	160	Slice Spacing	0.0
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	500.0	Phase	224
	Echo Train Length	4	Freq DIR	S/I
	Receiver Bandwidth	27.78	Fat Shift DIR	Normal (I)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	None	# of Acq. Before Pause	0
	GATING/TRIGGER		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	No
	FMRI		USER CVS	
	PSD Trigger	Internal	User CV15	2.00
	Slice Order	Interleaved	User CV22	1.00
	View Order	Bottom/Up	TR Min	500.0
	# of Repetitions REST	0	TR Max	850.0
	# of Repetitions ACTIVE	0	MULTI-PHASE	
SAG T1	SAT		Seperate Series	0
	Tag Type	None	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

Cor PD HR	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	GEM Flex Medium Array	Imaging Options	NPW, EDR, TRF, Fast, ZIP512, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Cor PD HR	FOV	14.0
	SCAN TIMING		Slice Thickness	3.0
	Flip Angle	140	Slice Spacing	0.3
	TE	33.0	ACQ TIMING	
	Number of Echoes	1	Freq	384
	TR	2811.0	Phase	256
	Echo Train Length	10	Freq DIR	S/I
	Receiver Bandwidth	27.78	Fat Shift DIR	Normal (S)
	IMAGE ENHANCE		NEX	5.00
	Filter Choice	A	Auto Shim	On
	GATING/TRIGGER		Phase Correction	No
	Auto Trigger Type	Off	USER CVS	
	FMRI		User CV15	2.00
	PSD Trigger	Internal	User CV18	1.00
	Slice Order	Interleaved	User CV21	1.00
	View Order	Bottom/Up	User CV22	1.00
	# of Repetitions REST	0	TR Min	2000.0
	# of Repetitions ACTIVE	0	TR Max	4000.0
	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	On	Recon All Images	On
			CONTRAST	
			Contrast Yes/No	No

Cor PD HR