3 PLANE LOC

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	HNS Head	Pulse Sequence	Gradient Echo
Plane	3-PLANE	Imaging Options	Seq, Fast
Series Description	3 PLANE LOC	Acceleration Factor	1.00
SCAN RANGE		**IMAGE ENHANCE**	
FOV	30.0	Filter Choice	None
Slice Thickness	5.0		
Slice Spacing	2.5		
ACQ TIMING		**GATING/TRIGGER**	
Freq	256	Auto Trigger Type	Off
Phase	128		
Freq DIR	Unswap		
NEX	1.00		
Phase FOV	1.00		
Auto Shim	Auto		
Phase Correction	No		
FMRI		**MULTI-PHASE**	
PSD Trigger	Internal	# of Acquisition	0
Slice Order	Interleaved	Seperate Series	0
View Order	Bottom/Up	Mask Phase	0
# of Repetitions REST	0	Mask Pause	0
# of Repetitions ACTIVE	0		
ASSET		**TRICKS**	
Slice Acceleration Factor	1.00	Pause On/Off	On
Phase Acceleration Factor	1.00	Auto Subtract	0
		Auto SCIC	Off
CONTRAST		**MULTI-STATION**	
Contrast Yes/No	Yes	Number of Stations	0
		Station Number	0

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	WHOLE
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	HNS Head	Pulse Sequence	Gradient Echo
Plane	AXIAL	Imaging Options	Fast, Calib
Series Description	ASSET Cal		
SCAN RANGE		**IMAGE ENHANCE**	
FOV	30.0	Filter Choice	None
Slice Thickness	6.0		
Slice Spacing	0.0		
ACQ TIMING		**GATING/TRIGGER**	
Freq DIR	R/L	Auto Trigger Type	Off
Auto Shim	Off		
Phase Correction	No		
MULTI-PHASE		**SAT**	
Seperate Series	0	Tag Type	None
Mask Phase	0		
Mask Pause	0		
TRICKS		**CONTRAST**	
Pause On/Off	On	Contrast Yes/No	No
Auto Subtract	0		
Auto SCIC	Off		
MULTI-STATION			
Number of Stations	0		
Station Number	0		

ASSET Cal

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	*Head First*	**Gradient Mode**	*ZOOM*
Patient Position	*Supine*	**Imaging Mode**	*2D*
Coil Configuration	*HNS Head*	**Pulse Sequence**	*Spin Echo*
Plane	*AXIAL*	**Imaging Options**	*EPI, DIFF, Asset*
Series Description	*DTI*	**PSD Name**	*epi2*
		Acceleration Factor	*1.00*

SCAN TIMING		SCAN RANGE	
TE	*Minimum*	**FOV**	*25.6*
TR	*14500.0*	**Slice Thickness**	*3.0*
Number of Shots	*1*	**Slice Spacing**	*0.0*

IMAGE ENHANCE		ACQ TIMING	
Filter Choice	*None*	**Freq**	*128*
		Phase	*128*
		Freq DIR	*R/L*
		NEX	*1.00*
		Phase FOV	*1.00*
		Auto Shim	*Auto*
		Phase Correction	*Yes*

GATING/TRIGGER		FMRI	
Auto Trigger Type	*Off*	**PSD Trigger**	*Internal*
		Slice Order	*Interleaved*
		View Order	*Bottom/Up*
		# of Repetitions REST	*0*
		# of Repetitions ACTIVE	*0*

MULTI-PHASE		SAT	
# of Acquisition	*0*	**Tag Type**	*None*
Seperate Series	*0*		
Mask Phase	*0*		
Mask Pause	*0*		

DIFFUSION		ASSET	
B Value	*1000*	**Slice Acceleration Factor**	*1.00*
Optimized TE	*Yes*	**Phase Acceleration Factor**	*2.00*
Diffusion Directions	*Tensor*		
Number of Diffusion Directions	*20*		
Number of T2 Images	*1*		
Dual Spin Echo	*On*		
Diffusion Tenser Processing Output	*ADC-Fractional Aniso-Combined*		
Recon All Images	*Off*		

TRICKS		CONTRAST	

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Pause On/Off	On	**Contrast Yes/No**	No
Auto Subtract	0		
Auto SCIC	2		
MULTI-STATION		**OTHERS**	
Number of Stations	0	**Protocol Notes**	20
			DIFFUSION DIRECTIONS
Station Number	0		

AX 3D STEALTH

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	3D
Coil Configuration	HNS Head	Pulse Sequence	SPGR
Plane	AXIAL	Imaging Options	EDR, Fast, IrP
Series Description	AX 3D STEALTH	Acceleration Factor	1.00
SCAN TIMING		**SCAN RANGE**	
Flip Angle	20	FOV	26.0
TE	Min Full	Slice Thickness	1.4
TI	300	Location per Slab	128
Receiver Bandwidth	22.73	Overlap Locations	0
IMAGE ENHANCE		**ACQ TIMING**	
Filter Choice	None	Freq	256
		Phase	256
		Freq DIR	A/P
		NEX	1.00
		Phase FOV	0.90
		Auto Shim	Auto
		Phase Correction	No
GATING/TRIGGER		**USER CVS**	
Auto Trigger Type	Off	User CV6	1.00
		User CV23	100.00
FMRI		**MULTI-PHASE**	
PSD Trigger	Internal	# of Acquisition	0
Slice Order	Interleaved	Seperate Series	0
View Order	Bottom/Up	Mask Phase	0
# of Repetitions REST	0	Mask Pause	0
# of Repetitions ACTIVE	0		
SAT		**ASSET**	
Tag Type	None	Slice Acceleration Factor	1.00
		Phase Acceleration Factor	1.00
TRICKS		**CONTRAST**	
Pause On/Off	On	Contrast Yes/No	No
Auto Subtract	0		
Auto SCIC	Off		
MULTI-STATION		**OTHERS**	
Number of Stations	0	Protocol Notes	MAX 1.5 THICK
Station Number	0		

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AX T2 FSE

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	*Head First*	Gradient Mode	*ZOOM*
Patient Position	*Supine*	Imaging Mode	*2D*
Coil Configuration	*HNS Head*	Pulse Sequence	*FRFSE-XL*
Plane	*OBLIQUE*	Imaging Options	*FC, TRF, Fast, FR*
Series Description	*AX T2 FSE*	Acceleration Factor	*1.00*

SCAN TIMING		SCAN RANGE	
TE	*110.0*	FOV	*26.0*
Number of Echoes	*1*	Slice Thickness	*1.5*
TR	*3500.0*	Slice Spacing	*0.0*
Echo Train Length	*11*		
Receiver Bandwidth	*20.83*		

IMAGE ENHANCE		ACQ TIMING	
Filter Choice	*None*	Freq	*256*
		Phase	*224*
		Freq DIR	*Unswap*
		NEX	*4.00*
		Phase FOV	*1.00*
		Auto Shim	*Auto*
		Phase Correction	*No*
		Flow Direction Compensation	*Slice*

GATING/TRIGGER		USER CVS	
Auto Trigger Type	*Off*	User CV7	*1.00*

FMRI		MULTI-PHASE	
PSD Trigger	*Internal*	# of Acquisition	*0*
Slice Order	*Interleaved*	Seperate Series	*0*
View Order	*Bottom/Up*	Mask Phase	*0*
# of Repetitions REST	*0*	Mask Pause	*0*
# of Repetitions ACTIVE	*0*		

SAT		ASSET	
Tag Type	*None*	Slice Acceleration Factor	*1.00*
		Phase Acceleration Factor	*1.00*

TRICKS		CONTRAST	
Pause On/Off	*On*	Contrast Yes/No	*No*
Auto Subtract	*0*		
Auto SCIC	*Off*		

MULTI-STATION	
Number of Stations	*0*
Station Number	*0*

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	HNS Head	Pulse Sequence	FRFSE-XL
Plane	OBLIQUE	Imaging Options	FC, TRF, Fast, FR
Series Description	AX PD FSE	Acceleration Factor	1.00
SCAN TIMING		**SCAN RANGE**	
TE	38.0	FOV	26.0
Number of Echoes	1	Slice Thickness	1.5
TR	3500.0	Slice Spacing	0.0
Echo Train Length	11		
Receiver Bandwidth	20.83		
IMAGE ENHANCE		**ACQ TIMING**	
Filter Choice	None	Freq	256
		Phase	224
		Freq DIR	Unswap
		NEX	4.00
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Slice
GATING/TRIGGER		**USER CVS**	
Auto Trigger Type	Off	User CV7	1.00
FMRI		**MULTI-PHASE**	
PSD Trigger	Internal	# of Acquisition	0
Slice Order	Interleaved	Seperate Series	0
View Order	Bottom/Up	Mask Phase	0
# of Repetitions REST	0	Mask Pause	0
# of Repetitions ACTIVE	0		
SAT		**ASSET**	
Tag Type	None	Slice Acceleration Factor	1.00
		Phase Acceleration Factor	1.00
TRICKS		**CONTRAST**	
Pause On/Off	On	Contrast Yes/No	No
Auto Subtract	0		
Auto SCIC	Off		
MULTI-STATION			
Number of Stations	0		
Station Number	0		

AX PD FSE

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3D AX IR FSPGR

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	*Head First*	**Gradient Mode**	*WHOLE*
Patient Position	*Supine*	**Imaging Mode**	*3D*
Coil Configuration	*HNS Head*	**Pulse Sequence**	*SPGR*
Plane	*AXIAL*	**Imaging Options**	*EDR, Fast, IrP*
Series Description	*3D AX IR FSPGR*	**Acceleration Factor**	*1.00*
SCAN TIMING		**SCAN RANGE**	
Flip Angle	*8*	**FOV**	*24.0*
TE	*Min Full*	**Slice Thickness**	*1.4*
TI	*400*	**Location per Slab**	*128*
Receiver Bandwidth	*15.63*	**Overlap Locations**	*0*
IMAGE ENHANCE		**ACQ TIMING**	
Filter Choice	*None*	**Freq**	*192*
		Phase	*192*
		Freq DIR	*A/P*
		NEX	*1.00*
		Phase FOV	*1.00*
		Auto Shim	*On*
		Phase Correction	*No*
GATING/TRIGGER		**USER CVS**	
Auto Trigger Type	*Off*	**User CV6**	*1.00*
		User CV23	*100.00*
FMRI		**MULTI-PHASE**	
PSD Trigger	*Internal*	**# of Acquisition**	*0*
Slice Order	*Interleaved*	**Seperate Series**	*0*
View Order	*Bottom/Up*	**Mask Phase**	*0*
# of Repetitions REST	*0*	**Mask Pause**	*0*
# of Repetitions ACTIVE	*0*		
SAT		**ASSET**	
Tag Type	*None*	**Slice Acceleration Factor**	*1.00*
		Phase Acceleration Factor	*1.00*
TRICKS		**CONTRAST**	
Pause On/Off	*On*	**Contrast Yes/No**	*Yes*
Auto Subtract	*0*		
Auto SCIC	*Off*		
MULTI-STATION			
Number of Stations	*0*		
Station Number	*0*		

3D AX IR FSPGR

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OPTION-SAG T2 CUBE

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	*Head First*	Gradient Mode	*ZOOM*
Patient Position	*Supine*	Imaging Mode	*3D*
Coil Configuration	*HNS Head*	Pulse Sequence	*Cube T2*
Plane	*OBLIQUE*	Imaging Options	*FC, EDR, Fast, ZIP512, ZIP2, FR, ARC*
Series Description	*OPTION-SAG T2 CUBE*		

SCAN TIMING		SCAN RANGE	
TR	*3000.0*	FOV	*24.0*
Echo Train Length	*100*	Slice Thickness	*1.4*
Receiver Bandwidth	*62.50*	Location per Slab	*128*
		Overlap Locations	*0*

IMAGE ENHANCE		ACQ TIMING	
Filter Choice	*None*	Freq	*288*
		Phase	*288*
		Freq DIR	*Unswap*
		NEX	*1.00*
		Phase FOV	*1.00*
		Auto Shim	*Auto*
		Phase Correction	*No*

GATING/TRIGGER		FMRI	
Auto Trigger Type	*Off*	PSD Trigger	*Internal*
		Slice Order	*Interleaved*
		View Order	*Bottom/Up*
		# of Repetitions REST	*0*
		# of Repetitions ACTIVE	*0*

MULTI-PHASE		SAT	
# of Acquisition	*0*	Tag Type	*None*
Seperate Series	*0*		
Mask Phase	*0*		
Mask Pause	*0*		

ASSET		TRICKS	
Slice Acceleration Factor	*1.00*	Pause On/Off	*On*
Phase Acceleration Factor	*1.00*	Auto Subtract	*0*
		Auto SCIC	*Off*

CONTRAST		MULTI-STATION	
Contrast Yes/No	*No*	Number of Stations	*0*
		Station Number	*0*

OPTION-SAG T2 CUBE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	HNS Head	Pulse Sequence	FRFSE-XL
Plane	OBLIQUE	Imaging Options	FC, TRF, Fast, FR
Series Description	OPTION COR 2D FSE	Acceleration Factor	1.00
SCAN TIMING		**SCAN RANGE**	
TE	110.0	FOV	26.0
Number of Echoes	1	Slice Thickness	1.5
TR	2800.0	Slice Spacing	0.0
Echo Train Length	11		
Receiver Bandwidth	20.83		
IMAGE ENHANCE		**ACQ TIMING**	
Filter Choice	None	Freq	256
		Phase	224
		Freq DIR	Unswap
		NEX	4.00
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Freq
GATING/TRIGGER		**FMRI**	
Auto Trigger Type	Off	PSD Trigger	Internal
		Slice Order	Interleaved
		View Order	Bottom/Up
		# of Repetitions REST	0
		# of Repetitions ACTIVE	0
MULTI-PHASE		**SAT**	
# of Acquisition	0	Tag Type	None
Seperate Series	0		
Mask Phase	0		
Mask Pause	0		
ASSET		**TRICKS**	
Slice Acceleration Factor	1.00	Pause On/Off	On
Phase Acceleration Factor	1.00	Auto Subtract	0
		Auto SCIC	Off
CONTRAST		**MULTI-STATION**	
Contrast Yes/No	No	Number of Stations	0
		Station Number	0

OPTION COR 2D FSE

OPTION COR PD FSE

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	HNS Head	Pulse Sequence	FRFSE-XL
Plane	OBLIQUE	Imaging Options	FC, TRF, Fast, FR
Series Description	OPTION COR PD FSE	Acceleration Factor	1.00

SCAN TIMING		SCAN RANGE	
TE	38.0	FOV	26.0
Number of Echoes	1	Slice Thickness	1.5
TR	3000.0	Slice Spacing	0.0
Echo Train Length	11		
Receiver Bandwidth	20.83		

IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	256
		Phase	224
		Freq DIR	Unswap
		NEX	4.00
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Slice

GATING/TRIGGER		FMRI	
Auto Trigger Type	Off	PSD Trigger	Internal
		Slice Order	Interleaved
		View Order	Bottom/Up
		# of Repetitions REST	0
		# of Repetitions ACTIVE	0

MULTI-PHASE		SAT	
# of Acquisition	0	Tag Type	None
Seperate Series	0		
Mask Phase	0		
Mask Pause	0		

ASSET		TRICKS	
Slice Acceleration Factor	1.00	Pause On/Off	On
Phase Acceleration Factor	1.00	Auto Subtract	0
		Auto SCIC	Off

CONTRAST		MULTI-STATION	
Contrast Yes/No	No	Number of Stations	0
		Station Number	0

OPTION COR PD FSE