

Protocol: 8CH EPILEPSY

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	8HRBRAIN	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	24.0	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		
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		

3 PLANE LOC

3 PLANE LOC

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	3D
Coil Configuration	8HRBRAIN	Pulse Sequence	Cube T2 FLAIR
Plane	OBLIQUE	Imaging Options	EDR, Fast, IrP, ZIP512, ZIP2, ARC
Series Description	COR FLAIR CUBE		
SCAN TIMING		SCAN RANGE	
TR	6000.0	FOV	24.0
Echo Train Length	130	Slice Thickness	1.8
Receiver Bandwidth	25.00	Location per Slab	100
		Overlap Locations	0
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	224
		Phase	224
		Freq DIR	Unswap
		Phase FOV	0.80
		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	On
CONTRAST		MULTI-STATION	
Contrast Yes/No	No	Number of Stations	0
		Station Number	0

COR FLAIR CUBE

COR FLAIR CUBE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	WHOLE
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	8HRBRAIN	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

ASSET Cal

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	8HRBRAIN	Pulse Sequence	Spin Echo
Plane	AXIAL	Imaging Options	EPI, DIFF, Asset
Series Description	DWI - 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 Tensor Processing Output	ADC-Fractional Aniso-Combined		
Recon All Images	Off		
TRICKS		CONTRAST	

DWI - DTI

DWI - DTI

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<b>Pause On/Off</b>	<i>On</i>	<b>Contrast Yes/No</b>	<i>No</i>
<b>Auto Subtract</b>	<i>0</i>		
<b>Auto SCIC</b>	<i>2</i>		
<b>MULTI-STATION</b>			
<b>Number of Stations</b>	<i>0</i>		
<b>Station Number</b>	<i>0</i>		

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	3D
Coil Configuration	8HRBRAIN	Pulse Sequence	BRAVO
Plane	AXIAL	Imaging Options	Fast, IrP, ZIP2, Asset
Series Description	3D FSPGR BRAVO	Acceleration Factor	1.00
SCAN TIMING		SCAN RANGE	
Flip Angle	13	FOV	25.6
TI	450	Slice Thickness	2.0
Receiver Bandwidth	25.00	Location per Slab	80
		Overlap Locations	0
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	256
		Phase	256
		Freq DIR	A/P
		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	2.00	Auto Subtract	0
		Auto SCIC	2
CONTRAST		MULTI-STATION	
Contrast Yes/No	No	Number of Stations	0
		Station Number	0
OTHERS			
Protocol Notes	128		

3D FSPGR BRAVO

3D FSPGR BRAVO

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	8HRBRAIN	Pulse Sequence	FRFSE-XL
Plane	OBLIQUE	Imaging Options	FC, TRF, Fast, ZIP512, FR
Series Description	AXIAL FSE T2	Acceleration Factor	1.00
SCAN TIMING		SCAN RANGE	
TE	50.0	FOV	22.0
Number of Echoes	1	Slice Thickness	2.0
TR	11000.0	Slice Spacing	0.0
Echo Train Length	13		
Receiver Bandwidth	22.73		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	B	Freq	256
		Phase	256
		Freq DIR	Unswap
		NEX	1.00
		Phase FOV	0.80
		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	SAT Location	S
Seperate Series	0	SAT Location	I
Mask Phase	0	Tag Type	None
Mask Pause	0		
ASSET		TRICKS	
Slice Acceleration Factor	1.00	Pause On/Off	On
Phase Acceleration Factor	1.00	Auto Subtract	0
		Auto SCIC	2
CONTRAST		MULTI-STATION	
Contrast Yes/No	No	Number of Stations	0
		Station Number	0

AXIAL FSE T2

AXIAL FSE T2

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	8HRBRAIN	Pulse Sequence	Gradient Echo
Plane	OBLIQUE	Imaging Options	FC
Series Description	COR MPGR	Acceleration Factor	1.00
SCAN TIMING		SCAN RANGE	
Flip Angle	20	FOV	20.0
TE	20.0	Slice Thickness	5.0
Number of Echoes	1	Slice Spacing	1.0
TR	700.0		
Receiver Bandwidth	19.23		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	B	Freq	256
		Phase	192
		Freq DIR	Unswap
		NEX	2.00
		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	2
CONTRAST		MULTI-STATION	
Contrast Yes/No	No	Number of Stations	0
		Station Number	0

COR MPGR

COR MPGR



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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Gradient Mode	ZOOM
Patient Position	Supine	Imaging Mode	2D
Coil Configuration	8HRBRAIN	Pulse Sequence	IR
Plane	OBLIQUE	Imaging Options	FC, Seq, TRF, Fast, ZIP512
Series Description	COR FIR HI RES	Acceleration Factor	1.00
SCAN TIMING		SCAN RANGE	
TE	17.0	FOV	22.0
Number of Echoes	1	Slice Thickness	3.5
TR	5125.0	Slice Spacing	1.0
TI	150		
Echo Train Length	8		
Receiver Bandwidth	50.00		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	288
		Phase	256
		Freq DIR	Unswap
		NEX	2.00
		Phase FOV	0.75
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction	Freq
		Compensation	
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	SAT Location	I
Seperate Series	0	Tag Type	None
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	On
CONTRAST		MULTI-STATION	
Contrast Yes/No	No	Number of Stations	0
		Station Number	0

COR FIR HI RES

COR FIR HI RES