

Protocol: adult_other_MRV BRAIN W/WO OLD

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	GEM Head	Imaging Options	Seq, EDR, TRF, Fast, SS, ARC
Plane	3-PLANE		
Series Description	3-Plane Localizer		
SCAN TIMING		SCAN RANGE	
TE	80.0	FOV	24.0
Number of Echoes	1	Slice Thickness	10.0
TR	600.0	Slice Spacing	5.0
Receiver Bandwidth	83.33		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	288
		Phase	128
		Freq DIR	Unswap
		# of Acq. Before Pause	0
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
GATING/TRIGGER		USER CVS	
Auto Trigger Type	Off	User CV1	1.00
FMRI		MULTI-PHASE	
PSD Trigger	Internal	Seperate Series	0
View Order	Bottom/Up	Mask Phase	0
# of Repetitions REST	0	Mask Pause	0
# of Repetitions ACTIVE	0		
SAT		DIFFUSION	
Tag Type	None	Recon All Images	On
TRICKS		CONTRAST	
Pause On/Off	On	Contrast Yes/No	No
Auto Subtract	0		
Auto SCIC	Off		

3-Plane Localizer

3-Plane Localizer

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AXIAL BRAVO PRE	PATIENT POSITION		IMAGING PARAMETERS		AXIAL BRAVO PRE
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Supine	Pulse Sequence	BRAVO	
	Coil Configuration	GEM Head	Imaging Options	EDR, Fast, ZIP512, ZIP2, ARC, IrP	
	Plane	OBLIQUE	SCAN RANGE		
	Series Description	AXIAL BRAVO PRE	FOV	20.0	
	SCAN TIMING		Slice Thickness	2.0	
	Flip Angle	13	Location per Slab	96	
	Number of Echoes	1	Overlap Locations	0	
	TI	450	ACQ TIMING		
	Receiver Bandwidth	25.00	Freq	256	
	IMAGE ENHANCE		Phase	256	
	Filter Choice	None	Freq DIR	A/P	
	GATING/TRIGGER		NEX	1.00	
	Auto Trigger Type	Off	Phase FOV	1.00	
	MULTI-PHASE		Auto Shim	Auto	
	Seperate Series	0	Phase Correction	No	
	Trigger Delay without AV	0	FMRI		
	Mask Phase	0	Initial State	Control	
	Mask Pause	0	PSD Trigger	Internal	
	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	On		
		OTHERS			
		Protocol Notes	RUN AS AXIAL		

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Vasc PC
Coil Configuration	GEM Head	Imaging Options	FC, EDR
Plane	OBLIQUE	SCAN RANGE	
Series Description	3D COR Phase Contrast	FOV	24.0
SCAN TIMING		Slice Thickness	50.0
Flip Angle	20	Slice Spacing	0.0
Number of Echoes	1	ACQ TIMING	
TR	33.0	Freq	256
Receiver Bandwidth	15.63	Phase	256
IMAGE ENHANCE		Freq DIR	Unswap
Filter Choice	None	NEX	4.00
GATING/TRIGGER		Phase FOV	1.00
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	View Order	Bottom/Up
VASCULAR		# of Repetitions REST	0
# of Collapse Images	On	# of Repetitions ACTIVE	0
Flow Analysis	All	SAT	
Additional Flow Images	8	Tag Type	None
Flow Recon Type	Complex Diff.	DIFFUSION	
Velocity Encoding	20.0	Recon All Images	On
TRICKS		CONTRAST	
Pause On/Off	On	Contrast Yes/No	No
Auto Subtract	0		
Auto SCIC	Off		

3D COR Phase Contrast

3D COR Phase Contrast

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Vasc PC
Coil Configuration	GEM Head	Imaging Options	FC, EDR
Plane	OBLIQUE	SCAN RANGE	
Series Description	3D Sag Phase Contrast	FOV	24.0
SCAN TIMING		Slice Thickness	50.0
Flip Angle	20	Slice Spacing	0.0
Number of Echoes	1	ACQ TIMING	
TR	33.0	Freq	256
Receiver Bandwidth	15.63	Phase	256
IMAGE ENHANCE		Freq DIR	Unswap
Filter Choice	None	NEX	4.00
GATING/TRIGGER		Phase FOV	1.00
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	View Order	Bottom/Up
VASCULAR		# of Repetitions REST	0
# of Collapse Images	On	# of Repetitions ACTIVE	0
Flow Analysis	All	SAT	
Additional Flow Images	8	Tag Type	None
Flow Recon Type	Complex Diff.	DIFFUSION	
Velocity Encoding	20.0	Recon All Images	On
TRICKS		CONTRAST	
Pause On/Off	On	Contrast Yes/No	No
Auto Subtract	0		
Auto SCIC	Off		

3D Sag Phase Contrast

3D Sag Phase Contrast

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3D SAG Inhance Velocity	PATIENT POSITION		IMAGING PARAMETERS		3D SAG Inhance Velocity
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Supine	Pulse Sequence	Inhance Velocity	
	Coil Configuration	GEM Head	Imaging Options	ZIP2, Asset	
	Plane	SAGITTAL	SCAN RANGE		
	Series Description	3D SAG Inhance Velocity	FOV	24.0	
	SCAN TIMING		Slice Thickness	1.4	
	Flip Angle	10	ACQ TIMING		
	TE	Minimum	Freq	320	
	Number of Echoes	1	Phase	192	
	TR	Minimum	Freq DIR	S/I	
	Receiver Bandwidth	31.25	Phase FOV	0.90	
	IMAGE ENHANCE		Auto Shim	Auto	
	Filter Choice	None	Phase Correction	No	
	GATING/TRIGGER		USER CVS		
	Auto Trigger Type	Off	User CV23	80.00	
	FMRI		MULTI-PHASE		
	PSD Trigger	Internal	Seperate Series	0	
	Slice Order	Interleaved	Mask Phase	0	
	View Order	Bottom/Up	Mask Pause	0	
	# of Repetitions REST	0	VASCULAR		
	# of Repetitions ACTIVE	0	# of Collapse Images	On	
	SAT		# of Projection Images	0	
	Tag Type	None	Flow Analysis	All	
	DIFUSION		Additional Flow Images	8	
	Recon All Images	On	Flow Recon Type	Complex Diff.	
	CONTRAST		Velocity Encoding	40.0	
	Contrast Yes/No	No	TRICKS		
		Pause On/Off	On		
		Auto Subtract	0		
		Auto SCIC	Off		

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2D COR TOF SPGR	PATIENT POSITION		IMAGING PARAMETERS		2D COR TOF SPGR
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	Vasc TOF SPGR	
	Coil Configuration	GEM Head	Imaging Options	FC, Seq, EDR	
	Plane	OBLIQUE	SCAN RANGE		
	Series Description	2D COR TOF SPGR	FOV	22.0	
	SCAN TIMING		Slice Thickness	1.5	
	Flip Angle	50	Slice Spacing	0.0	
	TE	Minimum	ACQ TIMING		
	Number of Echoes	1	Freq	256	
	TR	Minimum	Phase	128	
	Receiver Bandwidth	15.63	Freq DIR	S/I	
	IMAGE ENHANCE		NEX	1.00	
	Filter Choice	None	# of Acq. Before Pause	0	
	GATING/TRIGGER		Phase FOV	0.75	
	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	View Order	Bottom/Up	
	VASCULAR		# of Repetitions REST	0	
	# of Collapse Images	On	# of Repetitions ACTIVE	0	
	# of Projection Images	19	SAT		
	TRICKS		SAT Location	I	
	Pause On/Off	On	Tag Type	None	
	Auto Subtract	0	DIFFUSION		
	Auto SCIC	Off	Recon All Images	On	
			CONTRAST		
		Contrast Yes/No	No		

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AXIAL BRAVO POST	PATIENT POSITION		IMAGING PARAMETERS		AXIAL BRAVO POST
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Supine	Pulse Sequence	BRAVO	
	Coil Configuration	GEM Head	Imaging Options	EDR, Fast, ZIP512, ZIP2, ARC, IrP	
	Plane	OBLIQUE	SCAN RANGE		
	Series Description	AXIAL BRAVO POST	FOV	20.0	
	SCAN TIMING		Slice Thickness	2.0	
	Flip Angle	13	Location per Slab	96	
	Number of Echoes	1	Overlap Locations	0	
	TI	450	ACQ TIMING		
	Receiver Bandwidth	25.00	Freq	256	
	IMAGE ENHANCE		Phase	256	
	Filter Choice	None	Freq DIR	A/P	
	GATING/TRIGGER		NEX	1.00	
	Auto Trigger Type	Off	Phase FOV	1.00	
	MULTI-PHASE		Auto Shim	Auto	
	Seperate Series	0	Phase Correction	No	
	Trigger Delay without AV	0	FMRI		
	Mask Phase	0	Initial State	Control	
	Mask Pause	0	PSD Trigger	Internal	
	DIFFUSION		View Order	Bottom/Up	
	Recon All Images	On	# of Repetitions REST	0	
	CONTRAST		# of Repetitions ACTIVE	0	
	Contrast Yes/No	Yes	SAT		
		Tag Type	None		
		TRICKS			
		Pause On/Off	On		
		Auto Subtract	0		
		Auto SCIC	On		
		OTHERS			
		Protocol Notes	RUN AS AXIAL		