

Protocol: adult\_head\_BRAIN SRS

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	HD 8Ch High Res Brain Array by Invivo;HNS by GE (PosteriorHead, Face)	Imaging Options	Seq, Fast
SCAN TIMING		SCAN RANGE	
Plane	3-PLANE	FOV	30.0
Series Description	LOC	Slice Thickness	5.0
Number of Echoes	1	Slice Spacing	5.0
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	256
GATING/TRIGGER		Phase	128
Auto Trigger Type	Off	Freq DIR	Unswap
MULTI-PHASE		NEX	1.00
Seperate Series	0	Phase FOV	1.00
Mask Phase	0	Auto Shim	Auto
Mask Pause	0	Phase Correction	No
DIFFUSION		FMRI	
Recon All Images	On	PSD Trigger	Internal
CONTRAST		Slice Order	Interleaved
Contrast Yes/No	No	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
		OTHERS	
		Protocol Notes	<i>This protocol is built based on Express coil suite. Please select the appropriate coil which is available in your site and optimize the parameters accordingly.</i>

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AX 3D BRAVO	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		AX 3D BRAVO
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Supine	Pulse Sequence	BRAVO	
	Coil Configuration	HD 8Ch High Res Brain Array by Invivo;HNS by GE (PosteriorHead, Face)	Imaging Options	EDR, Fast, ZIP2, ARC, IrP	
	<b>SCAN TIMING</b>		<b>SCAN RANGE</b>		
	Plane	AXIAL	FOV	25.0	
	Series Description	AX 3D BRAVO	Slice Thickness	1.0	
	Flip Angle	12	Location per Slab	178	
	Number of Echoes	1	Overlap Locations	0	
	TI	450	<b>ACQ TIMING</b>		
	Receiver Bandwidth	31.25	Freq	256	
	<b>IMAGE ENHANCE</b>		Phase	256	
	Filter Choice	None	Freq DIR	A/P	
	<b>GATING/TRIGGER</b>		NEX	1.00	
	Auto Trigger Type	Off	Phase FOV	1.00	
	<b>MULTI-PHASE</b>		Auto Shim	Auto	
	Seperate Series	0	Phase Correction	No	
	Trigger Delay without AV	0	<b>FMRI</b>		
	Mask Phase	0	PSD Trigger	Internal	
	Mask Pause	0	Slice Order	Interleaved	
	<b>DIFFUSION</b>		View Order	Bottom/Up	
	Recon All Images	On	# of Repetitions REST	0	
	<b>CONTRAST</b>		# of Repetitions ACTIVE	0	
	Contrast Yes/No	No	<b>SAT</b>		
			Tag Type	None	
		<b>TRICKS</b>			
		Pause On/Off	On		
		Auto Subtract	0		
		Auto SCIC	Off		
		<b>OTHERS</b>			
		Protocol Notes	Do not use IR prepared with post contrast series. IR Prepared defaults to an on state. For optimum image quality, it is critical that IR prep remain on for non-contrast enhanced series.		

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	Fast, SS
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	---CONTRAST---	FOV	22.0
<b>SCAN TIMING</b>		Slice Thickness	5.0
TE	Minimum	Slice Spacing	1.0
TR	Minimum	<b>ACQ TIMING</b>	
Receiver Bandwidth	83.33	Freq	128
<b>IMAGE ENHANCE</b>		Phase	128
Filter Choice	None	Freq DIR	A/P
<b>GATING/TRIGGER</b>		NEX	1.0
Auto Trigger Type	Off	# of Acq. Before Pause	0
<b>FMRI</b>		Phase FOV	1.00
PSD Trigger	Internal	Auto Shim	Auto
Slice Order	Interleaved	Phase Correction	No
View Order	Bottom/Up	<b>USER CVS</b>	
# of Repetitions REST	0	User CV2	240.00
# of Repetitions ACTIVE	0	User CV13	1.00
<b>SAT</b>		TR Min	0.0
Tag Type	None	TR Max	0.0
<b>TRICKS</b>		<b>MULTI-PHASE</b>	
Pause On/Off	On	Seperate Series	0
Auto Subtract	0	Mask Phase	0
Auto SCIC	Off	Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	Fiesta-C
Coil Configuration	HNS by GE (PosteriorHead, Face)	Imaging Options	EDR, Fast, ZIP512, ZIP2, Asset
Plane	AXIAL	<b>SCAN RANGE</b>	
Series Description	3D Ax FIESTA +C	FOV	25.0
<b>SCAN TIMING</b>		Slice Thickness	1.0
Flip Angle	60	Location per Slab	178
TE	Minimum	Overlap Locations	0
Number of Echoes	1	<b>ACQ TIMING</b>	
Receiver Bandwidth	62.50	Freq	256
<b>IMAGE ENHANCE</b>		Phase	256
Filter Choice	None	Freq DIR	A/P
<b>GATING/TRIGGER</b>		NEX	2.00
Auto Trigger Type	Off	Phase FOV	1.00
<b>FMRI</b>		Auto Shim	Auto
PSD Trigger	Internal	Phase Correction	No
Slice Order	Interleaved	<b>USER CVS</b>	
View Order	Bottom/Up	User CV1	1.00
# of Repetitions REST	0	User CV16	2.00
# of Repetitions ACTIVE	0	User CV23	100.00
<b>SAT</b>		<b>MULTI-PHASE</b>	
Tag Type	None	Seperate Series	0
<b>TRICKS</b>		Mask Phase	0
Pause On/Off	On	Mask Pause	0
Auto Subtract	0	<b>DIFFUSION</b>	
Auto SCIC	Off	Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

3D Ax FIESTA +C

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	BRAVO
Coil Configuration	HD 8Ch High Res Brain Array by Invivo;HNS by GE (PosteriorHead, Face)	Imaging Options	EDR, Fast, ZIP2, ARC, IrP
SCAN TIMING		SCAN RANGE	
Plane	AXIAL	FOV	25.0
Series Description	AX 3D BRAVO +C	Slice Thickness	1.0
Flip Angle	12	Location per Slab	178
Number of Echoes	1	Overlap Locations	0
TI	450	ACQ TIMING	
Receiver Bandwidth	31.25	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	PSD Trigger	Internal
Mask Pause	0	Slice Order	Interleaved
TRICKS		View Order	Bottom/Up
Pause On/Off	On	# of Repetitions REST	0
Auto Subtract	0	# of Repetitions ACTIVE	0
Auto SCIC	Off	DIFFUSION	
OTHERS		Recon All Images	On
Protocol Notes	Do not use IR prepared with post contrast series. IR Prepared defaults to an on state. For optimum image quality, it is critical that IR prep remain on for non-contrast enhanced series.	CONTRAST	
		Contrast Yes/No	Yes

AX 3D BRAVO +C

AX 3D BRAVO +C