

Protocol: adult\_head\_MRI SINUS WO

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

3-Plane Localizer

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	GEM Head	Imaging Options	EDR, ARC
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	SAGITTAL T1W	FOV	22.0
<b>SCAN TIMING</b>		Slice Thickness	5.0
TE	Min Full	Slice Spacing	1.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	467.0	Freq	352
Receiver Bandwidth	41.67	Phase	256
<b>IMAGE ENHANCE</b>		Freq DIR	S/I
Filter Choice	None	NEX	2.00
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	No
PSD Trigger	Internal	<b>USER CVS</b>	
View Order	Bottom/Up	User CV4	1.00
# of Repetitions REST	0	TR Min	400.0
# of Repetitions ACTIVE	0	TR Max	600.0
<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	2	Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

SAGITTAL T1W

SAGITTAL T1W

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Ax DWI ALL B-1000	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	GEM Head	Imaging Options	EPI, DIFF, Asset
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	Ax DWI ALL B-1000	FOV	24.0
	<b>SCAN TIMING</b>		Slice Thickness	5.0
	TE	Minimum	Slice Spacing	1.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	9400.0	Freq	160
	Number of Shots	1	Phase	192
	<b>IMAGE ENHANCE</b>		Freq DIR	R/L
	Filter Choice	None	Phase FOV	1.00
	<b>GATING/TRIGGER</b>		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	Yes
	<b>FMRI</b>		<b>USER CVS</b>	
	PSD Trigger	Internal	User CV0	1.00
	View Order	Bottom/Up	User CV5	1.00
	# of Repetitions REST	0	User CV7	1.00
	# of Repetitions ACTIVE	0	User CV17	1.00
	<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	2	Optimized TE	Yes	
		Diffusion Directions	All	
		Number of Diffusion Directions	3	
		Number of T2 Images	1	
		Dual Spin Echo	Off	
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

Ax DWI ALL B-1000

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	Fiesta
Coil Configuration	GEM Head	Imaging Options	EDR, Fast, ZIP512, ZIP2
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	AXIAL FIESTA	FOV	18.0
<b>SCAN TIMING</b>		Slice Thickness	0.8
Flip Angle	45	Location per Slab	170
TE	Minimum	Overlap Locations	0
Number of Echoes	1	<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>FMRI</b>		Auto Shim	Auto
PSD Trigger	Internal	Phase Correction	No
View Order	Bottom/Up	<b>USER CVS</b>	
# of Repetitions REST	0	User CV23	100.00
# of Repetitions ACTIVE	0	<b>MULTI-PHASE</b>	
<b>SAT</b>		Seperate Series	0
Tag Type	None	Mask Phase	0
<b>TRICKS</b>		Mask Pause	0
Pause On/Off	On	<b>DIFFUSION</b>	
Auto Subtract	0	Recon All Images	On
Auto SCIC	2	<b>CONTRAST</b>	
		Contrast Yes/No	No

AXIAL FIESTA

AXIAL FIESTA

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AXIAL T1W FSE PRE 3MM	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	PROPELLER
	Coil Configuration	GEM Head	Imaging Options	EDR, TRF, Fast
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	AXIAL T1W FSE PRE 3MM	FOV	18.0
	<b>SCAN TIMING</b>		Slice Thickness	3.0
	Flip Angle	120	Slice Spacing	0.3
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	477.0	Freq	256
	Echo Train Length	3	Freq DIR	A/P
	Receiver Bandwidth	50.00	Fat Shift DIR	Normal (A)
	<b>IMAGE ENHANCE</b>		NEX	2.00
	Filter Choice	None	# of Acq. Before Pause	0
	<b>GATING/TRIGGER</b>		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	No
	<b>FMRI</b>		<b>USER CVS</b>	
	PSD Trigger	Internal	User CV5	1.00
	View Order	Bottom/Up	TR Min	400.0
	# of Repetitions REST	0	TR Max	600.0
	# of Repetitions ACTIVE	0	<b>MULTI-PHASE</b>	
	<b>SAT</b>		Seperate Series	0
	Tag Type	None	Mask Phase	0
	<b>TRICKS</b>		Mask Pause	0
	Pause On/Off	On	<b>DIFFUSION</b>	
	Auto Subtract	0	Recon All Images	On
	Auto SCIC	2	<b>CONTRAST</b>	
	<b>OTHERS</b>		Contrast Yes/No	No
Protocol Notes	38			

AXIAL T1W FSE PRE 3MM

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	GEM Head	Imaging Options	FC, Seq, EDR, TRF, Fast, ZIP512, IrP
Plane	OBLIQUE	PSD Name	frfse-xl
Series Description	AX STIR		
SCAN TIMING		SCAN RANGE	
Flip Angle	160	FOV	18.0
TE	49.0	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.3
TR	4358.0		
TI	160	ACQ TIMING	
Echo Train Length	13	Freq	256
Receiver Bandwidth	41.67	Phase	192
		Freq DIR	A/P
		Fat Shift DIR	Normal (A)
		NEX	1.00
		# of Acq. Before Pause	0
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Slice
IMAGE ENHANCE		USER CVS	
Filter Choice	None	User CV22	1.00
GATING/TRIGGER		MULTI-PHASE	
Auto Trigger Type	Off	Seperate Series	0
		Mask Phase	0
		Mask Pause	0
FMRI		DIFFUSION	
PSD Trigger	Internal	Recon All Images	On
View Order	Bottom/Up		
# 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		

AX STIR

AX STIR

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COR T1W	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		COR T1W
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	FSE-XL	
	Coil Configuration	GEM Head	Imaging Options	EDR, TRF, Fast, ZIP512, ARC	
	Plane	OBLIQUE	<b>SCAN RANGE</b>		
	Series Description	COR T1W	FOV	18.0	
	<b>SCAN TIMING</b>		Slice Thickness	3.0	
	Flip Angle	160	Slice Spacing	0.6	
	TE	Min Full	<b>ACQ TIMING</b>		
	Number of Echoes	1	Freq	256	
	TR	460.0	Phase	224	
	Echo Train Length	3	Freq DIR	S/I	
	Receiver Bandwidth	15.63	Fat Shift DIR	Normal (I)	
	<b>IMAGE ENHANCE</b>		NEX	2.00	
	Filter Choice	None	# of Acq. Before Pause	0	
	<b>GATING/TRIGGER</b>		Phase FOV	1.00	
	Auto Trigger Type	Off	Auto Shim	Auto	
	<b>FMRI</b>		Phase Correction	Yes	
	PSD Trigger	Internal	<b>USER CVS</b>		
	View Order	Bottom/Up	User CV22	1.00	
	# of Repetitions REST	0	TR Min	400.0	
	# of Repetitions ACTIVE	0	TR Max	600.0	
	<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	2	Recon All Images	On		
		<b>CONTRAST</b>			
		Contrast Yes/No	No		

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AXIAL T1W 3MM	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	PROPELLER
	Coil Configuration	GEM Head	Imaging Options	EDR, TRF, Fast
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	AXIAL T1W 3MM	FOV	18.0
	<b>SCAN TIMING</b>		Slice Thickness	3.0
	Flip Angle	120	Slice Spacing	0.3
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	638.0	Freq	256
	Echo Train Length	8	Freq DIR	A/P
	Receiver Bandwidth	50.00	Fat Shift DIR	Normal (A)
	<b>IMAGE ENHANCE</b>		NEX	1.50
	Filter Choice	None	# of Acq. Before Pause	0
	<b>GATING/TRIGGER</b>		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	No
	<b>FMRI</b>		<b>USER CVS</b>	
	PSD Trigger	Internal	User CV5	1.00
	View Order	Bottom/Up	User CV19	1.00
	# of Repetitions REST	0	TR Min	400.0
# of Repetitions ACTIVE	0	TR Max	725.0	
<b>SAT</b>		<b>MULTI-PHASE</b>		
Tag Type	None	Seperate Series	0	
Fat/Water Saturation	Fat	Mask Phase	0	
<b>TRICKS</b>		Mask Pause	0	
Pause On/Off	On	<b>DIFFUSION</b>		
Auto Subtract	0	Recon All Images	On	
Auto SCIC	2	<b>CONTRAST</b>		
<b>OTHERS</b>		Contrast Yes/No	Yes	
Protocol Notes	38			

AXIAL T1W 3MM