

McLeod Pavilion

Protocol: adult_chest_BREAST BIOPSY

3-Plane Localizer	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
	Patient Position	<i>Prone</i>	Pulse Sequence	<i>Spin Echo</i>
	Coil Configuration	<i>16Ch Breast Array by Sentinelle;HD 8Ch VIBRANT Breast Array by GE</i>	Imaging Options	<i>Seq, EDR, TRF, Fast, SS, ARC</i>
	Plane	<i>3-PLANE</i>	SCAN RANGE	
	Series Description	<i>3-Plane Localizer</i>	FOV	<i>44.0</i>
	SCAN TIMING		Slice Thickness	<i>10.0</i>
	TE	<i>80.0</i>	Slice Spacing	<i>5.0</i>
	Number of Echoes	<i>1</i>	ACQ TIMING	
	TR	<i>Minimum</i>	Freq	<i>320</i>
	Receiver Bandwidth	<i>83.33</i>	Phase	<i>192</i>
	IMAGE ENHANCE		Freq DIR	<i>Unswap</i>
	Filter Choice	<i>None</i>	# of Acq. Before Pause	<i>0</i>
	GATING/TRIGGER		Phase FOV	<i>1.00</i>
	Auto Trigger Type	<i>Off</i>	Auto Shim	<i>Auto</i>
	MULTI-PHASE		Phase Correction	<i>No</i>
	Seperate Series	<i>0</i>	FMRI	
	Mask Phase	<i>0</i>	PSD Trigger	<i>Internal</i>
	Mask Pause	<i>0</i>	View Order	<i>Bottom/Up</i>
	DIFUSION		# of Repetitions REST	<i>0</i>
	Recon All Images	<i>On</i>	# of Repetitions ACTIVE	<i>0</i>
	CONTRAST		SAT	
	Contrast Yes/No	<i>No</i>	Tag Type	<i>None</i>
			TRICKS	
			Pause On/Off	<i>On</i>
		Auto Subtract	<i>0</i>	
		Auto SCIC	<i>Off</i>	

3-Plane Localizer

McLeod Pavilion

Protocol: adult_chest_BREAST BIOPSY

3D Sag fiducial	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Feet First	Imaging Mode	3D
	Patient Position	Prone	Pulse Sequence	VIBRANT
	Coil Configuration	HD Breast	Imaging Options	NPW, EDR, Fast, ZIP2, Asset
	Plane	SAGITTAL	PSD Name	efgre3d_aspir
	Series Description	3D Sag fiducial	SCAN RANGE	
	SCAN TIMING		FOV	24.0
	Flip Angle	10	Slice Thickness	2.2
	Number of Echoes	1	Location per Slab	132
	TI	24	Overlap Locations	0
	Receiver Bandwidth	62.50	ACQ TIMING	
	IMAGE ENHANCE		Freq	288
	Filter Choice	None	Phase	224
	GATING/TRIGGER		Freq DIR	A/P
	Auto Trigger Type	Off	Auto Shim	Auto
	FMRI		Phase Correction	No
	PSD Trigger	Internal	USER CVS	
	View Order	Bottom/Up	User CV6	1.00
	# of Repetitions REST	0	MULTI-PHASE	
	# of Repetitions ACTIVE	0	Seperate Series	0
SAT		Mask Phase	0	
Tag Type	None	Mask Pause	0	
Fat/Water Saturation	Fat Special	DIFFUSION		
TRICKS		Recon All Images	On	
Pause On/Off	On	CONTRAST		
Auto Subtract	0	Contrast Yes/No	No	
Auto SCIC	2	OTHERS		
Protocol Notes	<p>SHIM AND BE SURE TO GO THRU THE FIEDUCIAL AND GRID Place a shim volume over each breast. Auto and Manual Prescan. Go to CF Fine. Go to Volume 1. Set highest receiver for Volume 1. Center on the water peak. Go to Volume 2. Set highest receiver for Volume 2. Center on water peak. Hit Done and Prep Scan. ** If using CADstream, refer to your CADstream User Manual or contact your CADstream Representative with any change to your dynamic breast protocol, in regards to the use of PURE. ** The output of post processing can be modified with any change to the protocol. For optimal image quality, keep consistency with protocols. Use the same type of filter and/or apply SCIC or PURE for both pre and post contrast imaging.</p>			

3D Sag fiducial

Protocol: adult_chest_BREAST BIOPSY

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	<i>Feet First</i>	Imaging Mode	<i>3D</i>
Patient Position	<i>Prone</i>	Pulse Sequence	<i>VIBRANT</i>
Coil Configuration	<i>16Ch Breast Array by Sentinelle;HD 8Ch VIBRANT Breast Array by GE</i>	Imaging Options	<i>EDR, Fast, ZIP2, Asset</i>
Plane	<i>AXIAL</i>	PSD Name	<i>efgre3d_aspir</i>
Series Description	<i>3D Ax VIBRANT non comprsed</i>	SCAN RANGE	
SCAN TIMING		FOV	<i>35.0</i>
Flip Angle	<i>12</i>	Slice Thickness	<i>2.0</i>
Number of Echoes	<i>1</i>	Location per Slab	<i>112</i>
TI	<i>24</i>	Overlap Locations	<i>0</i>
Receiver Bandwidth	<i>62.50</i>	ACQ TIMING	
IMAGE ENHANCE		Freq	<i>350</i>
Filter Choice	<i>None</i>	Phase	<i>350</i>
GATING/TRIGGER		Freq DIR	<i>A/P</i>
Auto Trigger Type	<i>Off</i>	Phase FOV	<i>1.00</i>
FMRI		Auto Shim	<i>Auto</i>
PSD Trigger	<i>Internal</i>	Phase Correction	<i>No</i>
View Order	<i>Bottom/Up</i>	USER CVS	
# of Repetitions REST	<i>0</i>	User CV6	<i>1.00</i>
# of Repetitions ACTIVE	<i>0</i>	MULTI-PHASE	
SAT		Seperate Series	<i>0</i>
Tag Type	<i>None</i>	Delay after Acquisition without AV	<i>1</i>
Fat/Water Saturation	<i>Fat Special</i>	Mask Phase	<i>0</i>
TRICKS		Mask Pause	<i>0</i>
Pause On/Off	<i>On</i>	DIFFUSION	
Auto Subtract	<i>0</i>	Recon All Images	<i>On</i>
Auto SCIC	<i>2</i>	CONTRAST	
		Contrast Yes/No	<i>Yes</i>

3D Ax VIBRANT non comprsed

3D Ax VIBRANT non comprsed

OTHERS

Protocol Notes

*Place a shim volume over each breast.
Auto Prescan. If Prescan profile does not have clean peaks then tune it with Manual Prescan as follows
Go to CF Fine.
Go to Volume 1. Set highest receiver for Volume 1.
Center on the water peak.
Go to Volume 2. Set highest receiver for Volume 2.
Center on water peak.
Hit Done and Prep Scan.
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Protocol: adult_chest_BREAST BIOPSY

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	<i>Feet First</i>	Imaging Mode	<i>3D</i>
Patient Position	<i>Prone</i>	Pulse Sequence	<i>VIBRANT</i>
Coil Configuration	<i>16Ch Breast Array by Sentinelle;HD 8Ch VIBRANT Breast Array by GE</i>	Imaging Options	<i>EDR, Fast, ZIP2, Asset</i>
Plane	<i>AXIAL</i>	PSD Name	<i>efgre3d_aspir</i>
Series Description	<i>3D Ax VIBRANT compressed</i>	SCAN RANGE	
SCAN TIMING		FOV	<i>35.0</i>
Flip Angle	<i>12</i>	Slice Thickness	<i>2.0</i>
Number of Echoes	<i>1</i>	Location per Slab	<i>112</i>
TI	<i>24</i>	Overlap Locations	<i>0</i>
Receiver Bandwidth	<i>62.50</i>	ACQ TIMING	
IMAGE ENHANCE		Freq	<i>350</i>
Filter Choice	<i>None</i>	Phase	<i>350</i>
GATING/TRIGGER		Freq DIR	<i>A/P</i>
Auto Trigger Type	<i>Off</i>	Phase FOV	<i>1.00</i>
FMRI		Auto Shim	<i>Auto</i>
PSD Trigger	<i>Internal</i>	Phase Correction	<i>No</i>
View Order	<i>Bottom/Up</i>	USER CVS	
# of Repetitions REST	<i>0</i>	User CV6	<i>1.00</i>
# of Repetitions ACTIVE	<i>0</i>	MULTI-PHASE	
SAT		Seperate Series	<i>0</i>
Tag Type	<i>None</i>	Delay after Acquisition without AV	<i>1</i>
Fat/Water Saturation	<i>Fat Special</i>	Mask Phase	<i>0</i>
TRICKS		Mask Pause	<i>0</i>
Pause On/Off	<i>On</i>	DIFFUSION	
Auto Subtract	<i>0</i>	Recon All Images	<i>On</i>
Auto SCIC	<i>2</i>	CONTRAST	
		Contrast Yes/No	<i>Yes</i>

3D Ax VIBRANT compressed

3D Ax VIBRANT compressed

OTHERS

Protocol Notes

*Place a shim volume over each breast.
Auto Prescan. If Prescan profile does not have clean peaks then tune it with Manual Prescan as follows
Go to CF Fine.
Go to Volume 1. Set highest receiver for Volume 1.
Center on the water peak.
Go to Volume 2. Set highest receiver for Volume 2.
Center on water peak.
Hit Done and Prep Scan.
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Protocol: adult_chest_BREAST BIOPSY

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	3D
Patient Position	Prone	Pulse Sequence	VIBRANT
Coil Configuration	16Ch Breast Array by Sentinelle;HD 8Ch VIBRANT Breast Array by GE	Imaging Options	EDR, Fast, ZIP2, Asset
Plane	AXIAL	PSD Name	efgre3d_aspir
Series Description	3D Ax VIBRANT obtrator	SCAN RANGE	
SCAN TIMING		FOV	34.0
Flip Angle	12	Slice Thickness	2.0
Number of Echoes	1	Location per Slab	112
TI	24	Overlap Locations	0
Receiver Bandwidth	62.50	ACQ TIMING	
IMAGE ENHANCE		Freq	350
Filter Choice	None	Phase	350
GATING/TRIGGER		Freq DIR	A/P
Auto Trigger Type	Off	Phase FOV	1.00
FMRI		Auto Shim	Auto
PSD Trigger	Internal	Phase Correction	No
View Order	Bottom/Up	USER CVS	
# of Repetitions REST	0	User CV6	1.00
# of Repetitions ACTIVE	0	MULTI-PHASE	
SAT		Seperate Series	0
Tag Type	None	Delay after Acquisition without AV	1
Fat/Water Saturation	Fat Special	Mask Phase	0
TRICKS		Mask Pause	0
Pause On/Off	On	DIFFUSION	
Auto Subtract	0	Recon All Images	On
Auto SCIC	2	CONTRAST	
OTHERS		Contrast Yes/No	Yes
Protocol Notes	<p>Place a shim volume over each breast. Auto Prescan. If Prescan profile does not have clean peaks then tune it with Manual Prescan as follows Go to CF Fine. Go to Volume 1. Set highest receiver for Volume 1. Center on the water peak. Go to Volume 2. Set highest receiver for Volume 2. Center on water peak. Hit Done and Prep Scan. ** If using CADstream, refer to your CADstream User Manual or contact your CADstream Representative with any change to your dynamic breast protocol, in regards to the use of PURE. ** The output of post processing can be modified with any change to the protocol. For optimal image quality, keep consistency with protocols. Use the same type of filter and/or apply SCIC or PURE for both pre and post contrast imaging.</p>		

3D Ax VIBRANT obtrator

3D Ax VIBRANT obtrator

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	3D
Patient Position	Prone	Pulse Sequence	VIBRANT
Coil Configuration	16Ch Breast Array by Sentinelle;HD 8Ch VIBRANT Breast Array by GE	Imaging Options	EDR, Fast, ZIP2, Asset
Plane	AXIAL	PSD Name	efgre3d_aspir
Series Description	3D Ax VIBRANT clip	SCAN RANGE	
SCAN TIMING		FOV	35.0
Flip Angle	12	Slice Thickness	2.0
Number of Echoes	1	Location per Slab	112
TI	24	Overlap Locations	0
Receiver Bandwidth	62.50	ACQ TIMING	
IMAGE ENHANCE		Freq	350
Filter Choice	None	Phase	350
GATING/TRIGGER		Freq DIR	A/P
Auto Trigger Type	Off	Phase FOV	1.00
FMRI		Auto Shim	Auto
PSD Trigger	Internal	Phase Correction	No
View Order	Bottom/Up	USER CVS	
# of Repetitions REST	0	User CV6	1.00
# of Repetitions ACTIVE	0	MULTI-PHASE	
SAT		Seperate Series	0
Tag Type	None	Delay after Acquisition without AV	1
Fat/Water Saturation	Fat Special	Mask Phase	0
TRICKS		Mask Pause	0
Pause On/Off	On	DIFFUSION	
Auto Subtract	0	Recon All Images	On
Auto SCIC	2	CONTRAST	
OTHERS		Contrast Yes/No	Yes
Protocol Notes	<p>Place a shim volume over each breast. Auto Prescan. If Prescan profile does not have clean peaks then tune it with Manual Prescan as follows Go to CF Fine. Go to Volume 1. Set highest receiver for Volume 1. Center on the water peak. Go to Volume 2. Set highest receiver for Volume 2. Center on water peak. Hit Done and Prep Scan. ** If using CADstream, refer to your CADstream User Manual or contact your CADstream Representative with any change to your dynamic breast protocol, in regards to the use of PURE. ** The output of post processing can be modified with any change to the protocol. For optimal image quality, keep consistency with protocols. Use the same type of filter and/or apply SCIC or PURE for both pre and post contrast imaging.</p>		

3D Ax VIBRANT clip

3D Ax VIBRANT clip