Set up the patient according to the ADNI instruction manual. Use the 8-channel brain coil. Use the electronic ADNI protocol that has been loaded on your scanner.

NOTE: The "adni" pulse sequence used for series 2 and 3 is a works in progress pulse sequence that ADNI sites obtain from GE Healthcare.

To avoid prolonging the scan time for Series 6, you will need to accept the "First Operating Mode" pop-up in series 1. Consult the scanner's user's manual to understand this choice, and its implications.

			IMAGING PARAMETERS		ACQUISITION TIMING			
SERIES	1. 3 plane loc.	scan plane	3-plane	matrix/nex	256 / 128 / 1			
coil	8hrbrain	mode	(Whole Body gradient)	fov (cm)	26			
etl		SAT		slice/space	5/5			
scan time	:13			autoshim	On			
comments	Use 8-channel brain coi	_		_				
		•						
			IMAGING PARAMETERS		ACQUISITION TIMING			
SERIES	2. Sag MPRAGE	scan plane	Sag	matrix/nex	256 / 256 / 1			
coil	8hrbrain	mode	3D (ZOOM gradient)	phase fov	0.94			
	SCAN TIMING	pulse seq	SPGR	locs/pause				
#echos	1	image opts.	EDR, IrPrep, Fast	freq. direct.	S/I			
te	min full	psd name	adni	fc direct				
Prep time	900		ADDITIONAL PARAMETERS	phase corr				
flip angle	8		Image acq. delay = 0	autoshim	On			
etl		User CVs	turbo mode = 1		SCANNING RANGE			
bw1/bw2	31.25		inversion pulse type=1	fov	26			
scan time	9:17		swap fat chem shift = 1	slice/space	1.2mm 170 locs/slab			
			slice resolution = 100%					
			mprage mode = 1	_				
			TD or mprageTR=2300	_				
comments	Cover skin to skin. Rem	nd the patient to	o hold still for this scan.					
				_				
CEDIEC	2 MDDACE report			motrix/nov	ACQUISITION TIMING			
SERIES	3.MPRAGE-repeat	scan plane	IMAGING PARAMETERS	matrix/nex	256 / 256 / 1			
coil	8hrbrain	mode	Sag	phase fov	0.94			
//	SCAN TIMING	pulse seq	3D (ZOOM gradient)	locs/pause	0/1			
#echos	1	image opts.	SPGR	freq. direct.	S/I			
te David de la composición	min full	psd name	EDR, IrPrep, Fast	fc direct				
Prep time	900	_	adni	phase corr	0//			
flip angle	8		ADDITIONAL PARAMETERS	autoshim	Off			
etl	24.25	User CVs	Image acq. delay = 0	-	SCANNING RANGE			
bw1/bw2	31.25	_	turbo mode = 1	fov	26			
scan time	9:17		inversion pulse type=1	slice/space	1.2mm 170 locs/slab			
			swap fat chem shift = 1	_				
			slice resolution = 100%	_				
			mprage mode = 1					
			TD or mprage TR=2300					
comments	Prescribe same image locations as series 2, unless adjustment is needed (e.g. to correct for wrap).							
	Remind the patient to hold still for this scan.							
	NOTE: Be sure to select the "Copy FOV, Thickness, Spacing" button for the graphic prescription.							
	Otherwise, if you copy the slice locations from series 2, the number of slices might be reduced.							

(Continued on next page)

## 3T ADNI GE 12.0M4 Software, TwinSpeed Gradient and 8-channel Brain Coil

SERIES	4. Sag B1 Cal PA	scan plane		matrix/nex	128 / 128 / 1
coil	8hrbrain	mode		phase fov	
	SCAN TIMING	pulse seq	Sag	locs/pause	
#echos	1	image opts.	3D (ZOOM gradient)	freq. direct.	S/I
te	min full	psd name	GRE	fc direct	
tr	-		EDR, Fast	Auto Shim	On
flip angle	2		,		SCANNING RANGE
etl		User CVs	ADDITIONAL PARAMETERS	fov	30
bw1/bw2	62.5		Image acq. Delay=0	slice/space	2.5mm locs/slab=96
scan time	:36		Turbo Mode =1		
		1	Slice resolution = 100%		
comments	Cover skin to skin.				
				_	
050150					400 / 400 / 4
SERIES	5. Sag B1 Cal PA	scan plane		matrix/nex	128 / 128 / 1
coil	BODY	mode	Q. a. a.	phase fov	
#echos	SCAN TIMING	pulse seq	Sag	locs/pause	S/I
	min full	image opts.	3D (ZOOM gradient) GRE	freq. direct. fc direct	5/1
te tr		psd name	EDR, Fast	Auto Shim	Off
flip angle	2	-	EDR, Fasi	Auto Shim	SCANNING RANGE
etl	2	User CVs	ADDITIONAL PARAMETERS	fov	30
bw1/bw2	62.5	0361 0 13	Image acq. Delay=0	slice/space	2.5mm locs/slab=96
scan time	:36	-	Turbo Mode =1	Silee/Space	2.51111 1003/3120-30
Scarrance	.50		Slice resolution = 100%		
				]	
comments	Turn Body Coil on for this	s scan. Leave 8	hrbrain coil plugged in, but	accept change	to Body Coil
			mage locations as series 4.		
			5		
				_	
SERIES		-			ACQUISITION TIMING
coil	6. Ax PD/T2 FSE	scan plane		matrix/nex	256 / 256 / 1
	8hrbrain	mode	IMAGING PARAMETERS	phase fov	0.9
	SCAN TIMING	pulse seq	Ax	acqs/pause	0
#echoes	2	image opts.	2D (ZOOM gradient)	freq. direct.	A/P
te	min full / TE2=97.2	psd name	FSE-XL	fc direct	
TR	3000		EDR, Fast	Autoshim	Off
flip angle				phase corr	
etl	16	User CVs	ADDITIONAL PARAMETERS		SCANNING RANGE
bw1/bw2	20.83			fov	24
scan time	4:49		blurring cancellation=0	slice/space	48 loc, 3mm interleaved
					· · ·
comments	Accept change back to 8	-channel Brain	Coil. (In other words, select	"Apply").	
		ver head.	,	/	

## Series 6 is the final patient series.

Follow the ADNI instructions to complete the phantom scans.