

**1.5T ADNI GE 14.0 M4 Software, QC Phantom
TwinSpeed Gradient and 8-channel Brain Coil**

Set up the phantom 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 "adni14m4" pulse sequence used for series 2 is a works in progress pulse sequence that ADNI sites obtain from GE Healthcare.

Accept the "First Operating Mode" pop-up in Series 1. Consult the scanner's user's manual to understand this choice, and its implications.

SERIES coil etl scan time	1. 3 plane loc.	scan plane mode SAT	<i>IMAGING PARAMETERS</i>		<i>ACQUISITION TIMING</i>	
	8hrbrain		3-plane	matrix/nex	256 / 128 / 1	
			(Whole Body gradient)	fov (cm)	26	
	:13			slice/space	5 / 5	
			autoshim	On		
comments	Use 8-channel brain coil.					

SERIES coil	2. Sag MPRAGE	scan plane mode pulse seq image opts. psd name	<i>IMAGING PARAMETERS</i>		<i>ACQUISITION TIMING</i>	
	8hrbrain		Sag	matrix/nex	192 / 192 / 1	
			3D (ZOOM gradient)	phase fov		
			SPGR	locs/pause		
#echos	1	User CVs	EDR, IrPrep, Fast	freq. direct.	S/I	
te	min full		adni14m4	fc direct		
Prep time	1000		<i>ADDITIONAL PARAMETERS</i>		phase corr	
flip angle	8		Image acq. delay = 0	autoshim	On	
etl		turbo mode = 1				
bw1/bw2	15.63	swap fat chem shift = 1		fov		
scan time	7:42	slice resolution = 100%		slice/space	24	
		mprage mode = 1				
		TD or mprageTR=2400				
comments	Cover the phantom					