

1.5T ADNI GE 11.0 M4 Software, Phantom QC
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 "adni" pulse sequence used for series 2 and 3 is a works in progress pulse sequence that ADNI sites obtain from GE Healthcare.

SERIES	1. 3 plane loc.	scan plane mode SAT	<i>IMAGING PARAMETERS</i>		<i>ACQUISITION TIMING</i>	
	coil 8hrbrain		3-plane (Whole Body gradient)	matrix/nex	256 / 128 / 1	
	etl			fov (cm)	26	
	scan time :16			slice/space autoshim	5 / 5 On	
comments	Use 8-channel brain coil.					

SERIES	2. Sag QC MPRAGE	scan plane mode pulse seq image opts. psd name User CVs	<i>IMAGING PARAMETERS</i>		<i>ACQUISITION TIMING</i>	
	coil 8hrbrain		Sag 3D (ZOOM gradient)	matrix/nex	192 / 192 / 1	
	#echos te		SPGR	phase fov locs/pause		
	Prep time flip angle etl		EDR, IrPrep, Fast adni	freq. direct. fc direct phase corr autoshim	S/l On	
bw1/bw2 scan time	1000 8 15.63 7:41		<i>ADDITIONAL PARAMETERS</i>		<i>SCANNING RANGE</i>	
			Filter Choices = none	fov	24	
			turbo mode = 1	slice/space	1.3mm 170 locs/slab	
			swap fat chem shift = 1			
			mprage mode = 1			
			TD or mprageTR=2400			
comments	Cover the phantom					