

3T ADNI GE 12.0 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 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	matrix/nex	256 / 128 / 1	
	etl		(Whole Body gradient)	fov (cm)	26	
	scan time :13			slice/space	5 / 5	
comments	Use 8-channel brain coil.		autoshim	On		

SERIES	2. Sag QC MPRAGE	scan plane mode pulse seq image opts. psd name	<i>IMAGING PARAMETERS</i>		<i>ACQUISITION TIMING</i>		
	coil 8hrbrain		Sag	matrix/nex	256 / 256 / 1		
	#echos te		<i>SCAN TIMING</i>	3D (ZOOM gradient)	phase fov	0.94	
				SPGR	locs/pause	S/l	
Prep time	1	EDR, IrPrep, Fast	freq. direct.				
flip angle	min full	adni	fc direct				
etl	900	<i>ADDITIONAL PARAMETERS</i>	phase corr				
bw1/bw2	8		autoshim	On			
scan time	31.25		fov	<i>SCANNING RANGE</i>			
	9:17		slice/space	26			
comments	Cover the phantom.	Filter Choices = none	1.3mm 170 locs/slab				
		turbo mode = 1					
		Inversion pulse type=1					
		swap fat chem shift = 1					
		mprage mode = 1					
		TD or mprageTR = 2300					