Set up the patient according to the ADNI instruction manual.

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.

CDICC	4 O plana las	acon plans	O mlana	motriy/no:	OFC / 400 / 4		
ERIES	1. 3 plane loc.	scan plane	3-plane	matrix/nex	256 / 128 / 1		
oil	HEAD	mode	(Whole Body gradient)	fov (cm)	26		
tl	10	SAT		slice/space	5/5		
can time	:16			autoshim	On		
omments	The preferred coil is th	e 8-channel brair	n coil.	-			
	This protocol is for sites with single channel birdcage coils only.						
			IMAGING PARAMETERS		ACQUISITION TIMING		
ERIES	2. Sag MPRAGE	scan plane	Sag	matrix/nex	192 / 192 / 1		
oil	HEAD	mode	3D (ZOOM gradient)	phase fov			
	SCAN TIMING	pulse seq	SPGR	locs/pause			
chos	1	image opts.	EDR, IrPrep, Fast	freq. direct.	S/I		
01103	min full	psd name	adni	fc direct	J/I		
on time		pou Haille					
ep time	1000		ADDITIONAL PARAMETERS	phase corr	0 -		
o angle	8		Filter Choices = none	autoshim	On		
		User CVs	turbo mode = 1		SCANNING RANGE		
v1/bw2	15.63		swap fat chem shift = 1	fov	24		
an time	9:36		mprage mode = 1	slice/space	1.2mm 184 locs/slab		
			TD or mprageTR=3000				
omments	Cover skin to skin. Rer	mind the patient t	o hold still for this scan.	1			
			o hold still for this scan. IMAGING PARAMETERS		ACQUISITION TIMING		
ERIES	3.MPRAGE-repeat	scan plane	o hold still for this scan. IMAGING PARAMETERS Sag	matrix/nex	ACQUISITION TIMING 192 / 192 / 1		
ERIES		scan plane mode	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient)	phase fov			
ERIES	3.MPRAGE-repeat	scan plane	o hold still for this scan. IMAGING PARAMETERS Sag				
ERIES oil	3.MPRAGE-repeat HEAD SCAN TIMING 1	scan plane mode	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient)	phase fov			
ERIES vil echos	3.MPRAGE-repeat HEAD SCAN TIMING	scan plane mode pulse seq	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR	phase fov locs/pause	192 / 192 / 1		
ERIES vil echos	3.MPRAGE-repeat HEAD SCAN TIMING 1	scan plane mode pulse seq image opts.	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast	phase fov locs/pause freq. direct.	192 / 192 / 1		
ERIES bil echos rep time	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full	scan plane mode pulse seq image opts.	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni	phase fov locs/pause freq. direct. fc direct	192 / 192 / 1		
ERIES bil echos rep time p angle	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full 1000	scan plane mode pulse seq image opts.	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS	phase fov locs/pause freq. direct. fc direct phase corr	192 / 192 / 1 S/I		
ERIES bil echos rep time p angle	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full 1000	scan plane mode pulse seq image opts. psd name	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS Filter Choices = none turbo mode = 1	phase fov locs/pause freq. direct. fc direct phase corr	192 / 192 / 1 S/I		
ERIES bil echos rep time p angle l w1/bw2	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full 1000 8	scan plane mode pulse seq image opts. psd name	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS Filter Choices = none turbo mode = 1 swap fat chem shift = 1	phase fov locs/pause freq. direct. fc direct phase corr autoshim	192 / 192 / 1 S/I Off SCANNING RANGE		
ERIES bil echos rep time b angle I v1/bw2	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full 1000 8	scan plane mode pulse seq image opts. psd name	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS Filter Choices = none turbo mode = 1	phase fov locs/pause freq. direct. fc direct phase corr autoshim	192 / 192 / 1 S/I Off SCANNING RANGE 24		
ERIES poil echos rep time o angle I v1/bw2 ean time	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full 1000 8 15.63 9:36	scan plane mode pulse seq image opts. psd name	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS Filter Choices = none turbo mode = 1 swap fat chem shift = 1 mprage mode = 1 TD or mprageTR=3000	phase fov locs/pause freq. direct. fc direct phase corr autoshim fov slice/space	192 / 192 / 1 S/I Off SCANNING RANGE 24 1.2mm 184 locs/slab		
ERIES poil echos rep time p angle tl w1/bw2 can time	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full 1000 8 15.63 9:36 Prescribe same image	scan plane mode pulse seq image opts. psd name User CVs	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS Filter Choices = none turbo mode = 1 swap fat chem shift = 1 mprage mode = 1 TD or mprageTR=3000 es 2, unless adjustment is in	phase fov locs/pause freq. direct. fc direct phase corr autoshim fov slice/space	192 / 192 / 1 S/I Off SCANNING RANGE 24 1.2mm 184 locs/slab		
echos erep time ip angle tl w1/bw2 can time	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full 1000 8 15.63 9:36	scan plane mode pulse seq image opts. psd name User CVs	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS Filter Choices = none turbo mode = 1 swap fat chem shift = 1 mprage mode = 1 TD or mprageTR=3000 es 2, unless adjustment is in	phase fov locs/pause freq. direct. fc direct phase corr autoshim fov slice/space	192 / 192 / 1 S/I Off SCANNING RANGE 24 1.2mm 184 locs/slab		
ERIES poil echos rep time p angle tl w1/bw2 can time	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full 1000 8 15.63 9:36 Prescribe same image	scan plane mode pulse seq image opts. psd name User CVs	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS Filter Choices = none turbo mode = 1 swap fat chem shift = 1 mprage mode = 1 TD or mprageTR=3000 es 2, unless adjustment is in	phase fov locs/pause freq. direct. fc direct phase corr autoshim fov slice/space	192 / 192 / 1 S/I Off SCANNING RANGE 24 1.2mm 184 locs/slab		
ERIES poil echos rep time p angle tl w1/bw2 can time	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full 1000 8 15.63 9:36 Prescribe same image	scan plane mode pulse seq image opts. psd name User CVs	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS Filter Choices = none turbo mode = 1 swap fat chem shift = 1 mprage mode = 1 TD or mprageTR=3000 es 2, unless adjustment is in	phase fov locs/pause freq. direct. fc direct phase corr autoshim fov slice/space	192 / 192 / 1 S/I Off SCANNING RANGE 24 1.2mm 184 locs/slab		
ERIES poil rep time po angle I v1/bw2 can time	3.MPRAGE-repeat HEAD SCAN TIMING 1 min full 1000 8 15.63 9:36 Prescribe same image	scan plane mode pulse seq image opts. psd name User CVs	o hold still for this scan. IMAGING PARAMETERS Sag 3D (ZOOM gradient) SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS Filter Choices = none turbo mode = 1 swap fat chem shift = 1 mprage mode = 1 TD or mprageTR=3000 es 2, unless adjustment is in	phase fov locs/pause freq. direct. fc direct phase corr autoshim fov slice/space	192 / 192 / 1 S/I Off SCANNING RANGE 24 1.2mm 184 locs/slab		

1.5T ADNI GE 11.0 M4 Software, TwinSpeed Gradient and Single-Channel Birdcage Head Coil

SERIES			IMAGING PARAMETERS		ACQUISITION TIMING
coil	4. Ax PD/T2 FSE	scan plane	Ax	matrix/nex	256 / 256 / 1
	HEAD	mode	2D (ZOOM gradient)	phase fov	0.9
	SCAN TIMING	pulse seq	FSE-XL	acqs/pause	0
#echoes	2	image opts.	EDR, Fast	freq. direct.	A/P
te	min full / TE2=100	psd name		fc direct	
TR	3000		ADDITIONAL PARAMETERS	Autoshim	Off
flip angle			Filter Choices=none	phase corr	
etl	16	User CVs	blurring cancellation=0		SCANNING RANGE
bw1/bw2	20.83			fov	24
scan time	6:25			slice/space	48 loc, 3mm interleaved
		_			
comments	Prescribe 48 slices to cov	ver head.			

Series 4 is the final patient series.

Follow the ADNI instructions to complete the phantom scans.