Set up the patient according to the ADNI instruction manual. Use the transmit/receive head coi 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.

		<u></u>	IMAGING PARAMETERS	_	ACQUISITION TIMING
SERIES	1. 3 plane loc.	scan plane	3-plane	matrix/nex	256 / 128 / 1
coil	head	mode		fov (cm)	26
etl		SAT		slice/space	5 / 5
scan time	:19			autoshim	On
comments	Use the birdcage head	coil		_	
			IMAGING PARAMETERS		ACQUISITION TIMING
SERIES	2. Sag MPRAGE	scan plane	Sag	matrix/nex	192 / 192 / 1
oil	head	mode	3D	phase fov	
	SCAN TIMING	pulse seq	SPGR	locs/pause	
echos	1	image opts.	EDR, IrPrep, Fast	freq. direct.	S/I
9	min full	psd name	adni	fc direct	<u> </u>
rep time	1000	pod Hamo	ADDITIONAL PARAMETERS	phase corr	
ip angle	8	User CVs	swap fat chem shift = 1	autoshim	On
tl			special = 0	- aatooriiin	SCANNING RANGE
w1/bw2	15.63		burst = 0	fov	24
can time	9:36		mprage mode =1	slice/space	1.2mm 184 locs/slab
oan anno	0.00		TD or mprageTR=3000	01100/00400	1.211111 1011000,0100
comments	Cover skin to skin. Rer	mind the patient to	o hold still for this scan.		
omments	Cover skin to skin. Rer	mind the patient to			ACOUSTION TIMING
			IMAGING PARAMETERS	matrix/nex	ACQUISITION TIMING
ERIES	Cover skin to skin. Rer 3.MPRAGE-repeat head	scan plane mode			
ERIES	3.MPRAGE-repeat	scan plane mode	IMAGING PARAMETERS Sag	phase fov	
SERIES oil	3.MPRAGE-repeat head	scan plane mode pulse seq	IMAGING PARAMETERS Sag 3D SPGR		
SERIES oil echos	3.MPRAGE-repeat head SCAN TIMING	scan plane mode pulse seq image opts.	IMAGING PARAMETERS Sag 3D	phase fov locs/pause	192 / 192 / 1
SERIES oil echos	3.MPRAGE-repeat head SCAN TIMING	scan plane mode pulse seq	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast	phase fov locs/pause freq. direct. fc direct	192 / 192 / 1
SERIES oil echos e	3.MPRAGE-repeat head SCAN TIMING 1 min full	scan plane mode pulse seq image opts. psd name	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS	phase fov locs/pause freq. direct.	192 / 192 / 1 S/I
SERIES oil sechos e Prep time ip angle	3.MPRAGE-repeat head SCAN TIMING 1 min full 1000	scan plane mode pulse seq image opts.	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS swap fat chem shift = 1	phase fov locs/pause freq. direct. fc direct phase corr	192 / 192 / 1
SERIES oil sechos e Prep time ip angle	3.MPRAGE-repeat head SCAN TIMING 1 min full 1000	scan plane mode pulse seq image opts. psd name	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS	phase fov locs/pause freq. direct. fc direct phase corr	192 / 192 / 1 S/I
SERIES oil echos erep time ip angle tl w1/bw2	3.MPRAGE-repeat head SCAN TIMING 1 min full 1000 8	scan plane mode pulse seq image opts. psd name	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS swap fat chem shift = 1 special = 0 burst = 0	phase fov locs/pause freq. direct. fc direct phase corr autoshim	192 / 192 / 1 S/I Off SCANNING RANGE 24
SERIES Soil Sechos Sechos Prep time Sip angle Stil Sw1/bw2	3.MPRAGE-repeat head SCAN TIMING 1 min full 1000 8	scan plane mode pulse seq image opts. psd name	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS swap fat chem shift = 1 special = 0	phase fov locs/pause freq. direct. fc direct phase corr autoshim	192 / 192 / 1 S/I Off SCANNING RANGE
SERIES coil fechos e Prep time lip angle etl ow1/bw2 ccan 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	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS swap fat chem shift = 1 special = 0 burst = 0 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
SERIES coil dechos e Prep time lip angle etl ow1/bw2 scan 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	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS swap fat chem shift = 1 special = 0 burst = 0 mprage mode =1 TD or mprageTR=3000 es 2, unless adjustment is	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
SERIES coil fechos e Prep time lip angle etl ow1/bw2 ccan 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	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS swap fat chem shift = 1 special = 0 burst = 0 mprage mode =1 TD or mprageTR=3000 es 2, unless adjustment is	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
SERIES oil 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	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS swap fat chem shift = 1 special = 0 burst = 0 mprage mode =1 TD or mprageTR=3000 es 2, unless adjustment is	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
SERIES oil echos Prep 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	IMAGING PARAMETERS Sag 3D SPGR EDR, IrPrep, Fast adni ADDITIONAL PARAMETERS swap fat chem shift = 1 special = 0 burst = 0 mprage mode =1 TD or mprageTR=3000 es 2, unless adjustment is	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 9.1 M4 Software, BRM Gradient an 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	phase fov	1.0
	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				phase corr	
etl	16	User CVs			SCANNING RANGE
bw1/bw2	20.83			fov	24
scan time	5:07			slice/space	48 loc, 3mm interleaved
				-	
comments	Prescribe 48 slices to co	over head.			

Series 4 is the final patient series.

Follow the ADNI instructions to complete the phantom scans.