Set up the patient 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 and 3 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.

	understand this cho	nce and its iii	piications.			
SERIES	1. 3 plane loc.	scan plane	3-plane	matrix/nex	256 / 128 / 1	
coil	8hrbrain	mode	(Whole Body gradient)	fov (cm)	26	
etl		SAT	(z z z z y g. z z z z z y	slice/space	5 / 5	
scan time	:13			autoshim	On	
comments	Use 8-channel brain co	il.		- -		
			IMAGING PARAMETERS		ACQUISITION TIMING	
SERIES	2. Sag MPRAGE	scan plane	Sag	matrix/nex	192 / 192 / 1	
coil	8hrbrain	mode	3D (ZOOM gradient)	phase fov		
	SCAN TIMING	pulse seq	SPGR	locs/pause		
#echos	1	image opts.	EDR, IrPrep, Fast	freq. direct.	S/I	
te	min full	psd name	adni14m4	fc direct		
Prep time	1000		ADDITIONAL PARAMETERS	phase corr		
flip angle	8		Image acq. delay = 0	autoshim	On	
etl		User CVs	turbo mode = 1		SCANNING RANGE	
bw1/bw2	15.63		swap fat chem shift = 1	fov	24	
scan time	7:42		slice resolution = 100%	slice/space	1.2mm 170 locs/slab	
			mprage mode = 1			
			TD or mprageTR=2400			
comments	Cover skin to skin. Ren	nind the patient t	o hold still for this scan. IMAGING PARAMETERS		ACQUISITION TIMING	
SERIES	3.MPRAGE-repeat	scan plane	Sag	matrix/nex	192 / 192 / 1	
coil	8hrbrain	mode	3D (ZOOM gradient)	phase fov		
	SCAN TIMING	pulse seq	SPGR	locs/pause		
#echos	1	image opts.	EDR, IrPrep, Fast	freq. direct.	S/I	
te	min full	psd name	adni14m4	fc direct		
Prep time	1000		ADDITIONAL PARAMETERS	phase corr		
			Image acq. delay = 0]		
flip angle	8		turbo mode = 1	autoshim	Off	
etl	-	User CVs	swap fat chem shift = 1		SCANNING RANGE	
bw1/bw2	15.63		slice resolution = 100%	fov	24	
scan time	7:42		mprage mode = 1	slice/space	1.2mm 170 locs/slab	
			TD or mprageTR=2400			
comments	Prescribe same image Remind the patient to h		es 2, unless adjustment is i	needed (e.g. to	correct for wrap).	
	NOTE: Do asses to call	st the "Correct FO"	/ Thiskness Onesiness	to the		
	NOTE: Be sure to select the " Copy FOV , Thickness , Spacing " button for the graphic prescription. Otherwise, if you copy the slice locations from series 2, the number of slices might be reduced.					
	Otnerwise, if you copy to	rie slice location	is from series 2, the numbe	r of slices migh	it be reduced.	
		(Conti	nued on next page)]		

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

128 / 128 / 1 S/I On SCANNING RANGE 30 2.5mm locs/slab=96
On SCANNING RANGE 30 2.5mm locs/slab=96 128 / 128 / 1
On SCANNING RANGE 30 2.5mm locs/slab=96 128 / 128 / 1
On SCANNING RANGE 30 2.5mm locs/slab=96 128 / 128 / 1
SCANNING RANGE 30 2.5mm locs/slab=96 128 / 128 / 1
SCANNING RANGE 30 2.5mm locs/slab=96 128 / 128 / 1
30 2.5mm locs/slab=96 128 / 128 / 1
2.5mm locs/slab=96 128 / 128 / 1 S/I
128 / 128 / 1 S/I
S/I
2"
Off
SCANNING RANGE
30
2.5mm locs/slab=96
to Body Coil
400///0/7/04/7//
ACQUISITION TIMING 256 / 256 / 1
0.9
0.9
A/P
A/P
Off
SCANNING RANGE
0.4
48 loc, 3mm interleaved
2 (

Series 6 is the final patient series.

comments

Follow the ADNI instructions to complete the phantom scans.

Prescribe 48 slices to cover head.

Accept change back to 8-channel Brain Coil. (In other words, select "Apply".)