

Extended Data Table 1 | Subject demographics.

	Cognitive group	
	CN (N=397)	MCI (N=248)
Age		
Mean (SD)	73.682 (7.367)	74.384 (8.105)
Range	56.000 - 95.400	56.500 - 93.200
Subject gender		
Female	233 (58.7%)	104 (41.9%)
Male	164 (41.3%)	144 (58.1%)
Mean framewise displacement		
Mean (SD)	0.181 (0.090)	0.190 (0.092)
Range	0.042 - 0.646	0.043 - 0.578
Scan Time		
Mean (SD)	12.189 (2.588)	12.556 (2.684)
Range	7.000 - 19.000	7.000 - 22.000
History of hypertension		
No	243 (61.2%)	133 (53.6%)
Yes	154 (38.8%)	115 (46.4%)
Sedative or hypnotic usage		
No	389 (98.0%)	240 (96.8%)
Yes	8 (2.0%)	8 (3.2%)
Sleep disturbances		
No	332 (83.6%)	191 (77.0%)
Yes	65 (16.4%)	57 (23.0%)

	All subjects	p value
AD (N=91)	Total (N=736)	
		0.044
75.895 (8.255)	74.192 (7.757)	
56.000 - 96.000	56.000 - 96.000	
		< 0.001
43 (47.3%)	380 (51.6%)	
48 (52.7%)	356 (48.4%)	
		0.003
0.217 (0.091)	0.188 (0.091)	
0.062 - 0.483	0.042 - 0.646	
		0.213
12.385 (2.342)	12.337 (2.594)	
7.000 - 17.000	7.000 - 22.000	
		0.063
46 (50.5%)	422 (57.3%)	
45 (49.5%)	314 (42.7%)	
		0.066
85 (93.4%)	714 (97.0%)	
6 (6.6%)	22 (3.0%)	
		0.060
69 (75.8%)	592 (80.4%)	
22 (24.2%)	144 (19.6%)	