

Supplementary Table 1. Atrophy Classification in PART population

	PART population (N=26)
Anterior cingulate	1.35 (± 0.12)
Orbito-frontal	1.48 (± 0.09)
Anterior temporal	1.52 (± 0.11)
Fronto-insular	1.71 (± 0.15)
Medial temporal	1.51 (± 0.14)
Posterior	1.57 (± 0.11)

Atrophy classification of different brain regions was performed using a previously validated scale system (Harper et al.). Mean values are reported for each region, with standard error of mean in parentheses.

Supplementary Table 2. Neuropsychological evaluation in PART population

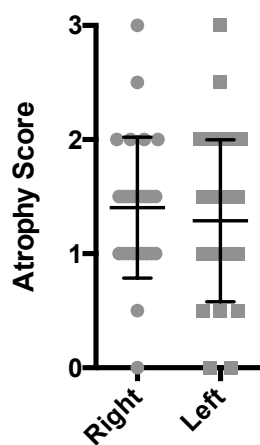
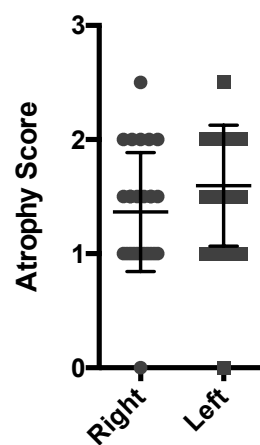
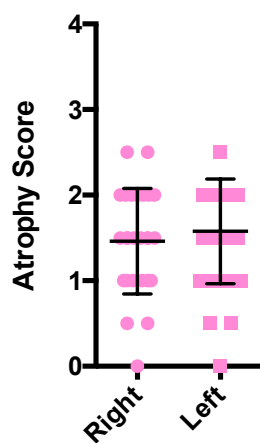
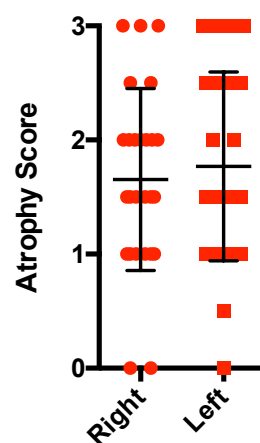
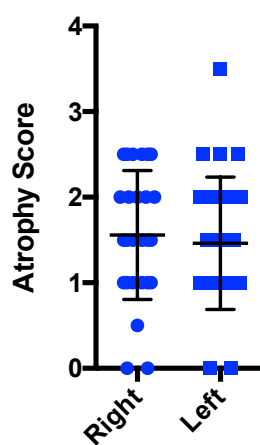
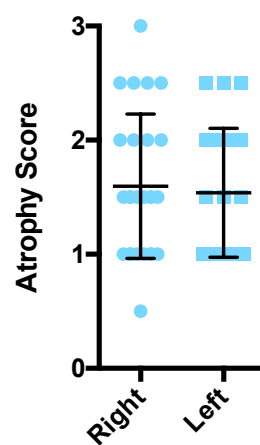
	PART population
MMSE (N=21)	26.57 (± 0.79)
LOGIMEM (N=20)	10.95 (± 1.39)
MEMUNITS (N=20)	9.3 (± 1.59)
MEMTIME (N=20)	21.35 (± 1.19)
DIGIF (N=21)	7.71 (± 0.49)
DIGIFLEN (N=21)	5.9 (± 0.29)
DIGIB (N=21)	5.86 (± 0.56)
DIGIBLEN (N=21)	4.1 (± 0.34)
ANIMALS (N=21)	15.52 (± 1.69)
VEGETABLES (N=21)	10.76 (± 1.3)
TRAILA (N=22)	51.14 (± 5.14)
BOSTON (N=21)	23.8 (± 1.11)

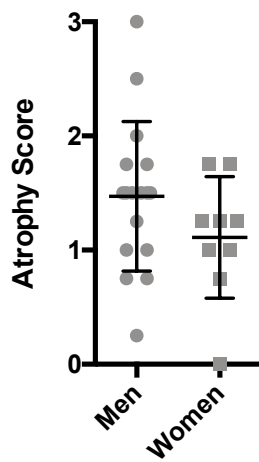
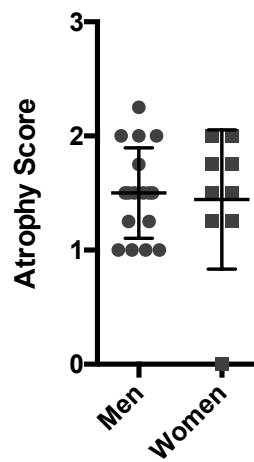
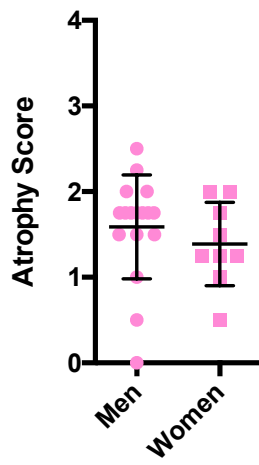
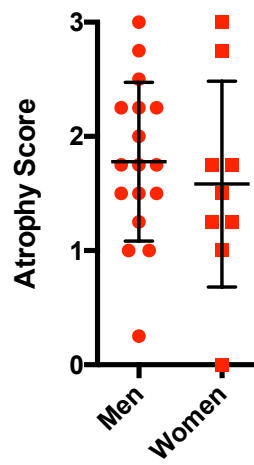
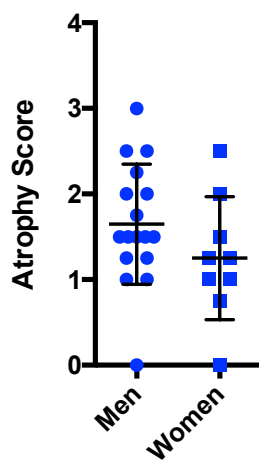
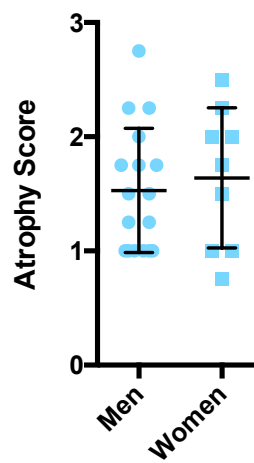
Several tests of memory, executive function, language and processing speed were performed for a subset of PART subjects (N=20-22). Mean values are reported for each region, with standard error of mean in parentheses. MMSE: Mini-Mental State Examination, 30 – Total score; LOGIMEM: total number of story units recalled from this current test administration; MEMUNITS: Logical Memory IIA — Delayed — Total number of story units recalled; MEMTIME: Logical Memory IIA — Delayed — Time elapsed since Logical Memory IA — Immediate; DIGIF: Digit span forward trials correct; DIGIFLEN: Digit span forward length; DIGIB: Digit span backward trials correct; DIGIBLEN: Digit span backward length; ANIMALS: Total number of animals named in 60 seconds; VEGETABLES: Total number of vegetables named in 60 seconds; TRAILA: Trail Making Test Part A — Total number of seconds to complete; BOSTON: Boston Naming Test, 30 — Total score.

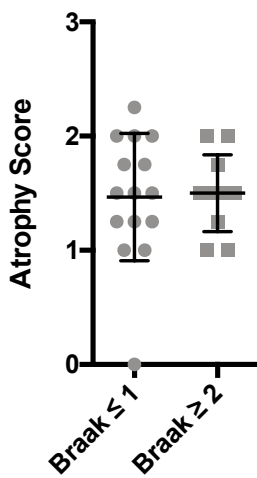
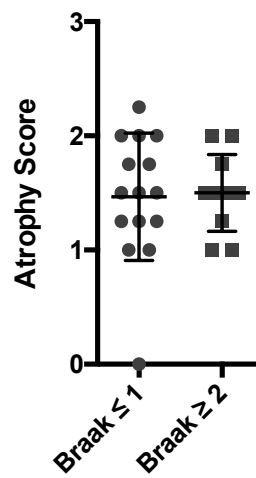
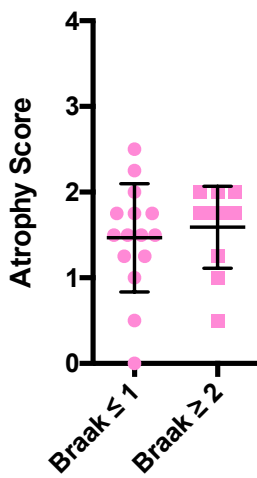
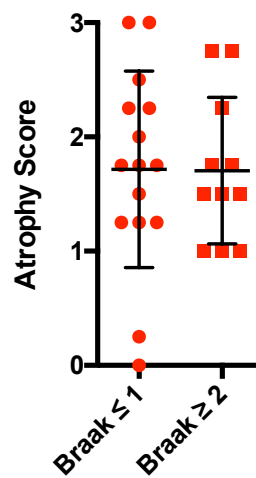
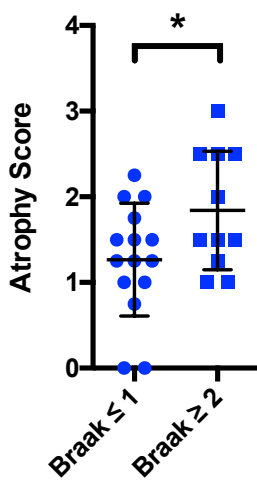
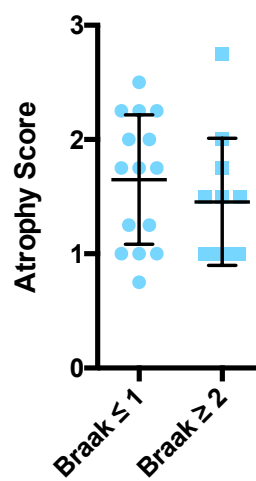
Supplementary Table 3. Inter-rater analysis

	Rho
Anterior cingulate	0.378**
Orbito-frontal	0.293*
Anterior temporal	0.584***
Fronto-insular	0.633***
Medial temporal	0.68***
Posterior	0.706***

Inter-rater analysis of both classifiers for atrophy classification of different brain regions using a previously validated scale system (Harper et al.). Spearman correlation analysis was performed and Rho values are shown. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.

A**Anterior Cingulate****B****Orbito-Frontal****C****Anterior Temporal****D****Fronto-Insular****E****Medial Temporal****F****Posterior****Supplementary Figure 1**

A**Anterior Cingulate****B****Orbito-Frontal****C****Anterior Temporal****D****Fronto-Insular****E****Medial Temporal****F****Posterior****Supplementary Figure 2**

A**Anterior Cingulate****B****Orbito-Frontal****C****Anterior Temporal****D****Fronto-Insular****E****Medial Temporal****F****Posterior****Supplementary Figure 3**