

Supplementary Table 1. Comparisons of Volume Obtained from NeuroQuant® and Inbrain®, Based on the Slice Thickness in Patients with MCI and AD

	With 1 mm Slice Thickness (n = 51)			With 1.2 mm Slice Thickness (n = 76)		
	NeuroQuant®	Inbrain®	<i>P</i>	NeuroQuant®	Inbrain®	<i>P</i>
	Mean ± SD	Mean ± SD		Mean ± SD	Mean ± SD	
Lt cortical gray matter	213.79 ± 21.91	203.71 ± 19.62	< 0.001	203.68 ± 22.74	186.50 ± 22.28	< 0.001
Rt cortical gray matter	216.31 ± 21.02	203.19 ± 19.94	< 0.001	205.07 ± 22.31	187.41 ± 22.46	< 0.001
Lt caudate	2.93 ± 0.73	3.45 ± 0.64	< 0.001	2.82 ± 0.77	3.15 ± 0.53	< 0.001
Rt caudate	2.99 ± 0.74	3.45 ± 0.58	< 0.001	2.72 ± 0.74	3.11 ± 0.50	< 0.001
Lt putamen	5.16 ± 0.77	3.81 ± 0.55	< 0.001	5.51 ± 0.82	3.71 ± 0.61	< 0.001
Rt putamen	5.02 ± 0.72	3.96 ± 0.53	< 0.001	5.18 ± 0.67	3.72 ± 0.62	< 0.001
Lt pallidum	0.50 ± 0.15	1.74 ± 0.22	< 0.001	0.39 ± 0.12	1.80 ± 0.25	< 0.001
Rt pallidum	0.49 ± 0.13	1.70 ± 0.19	< 0.001	0.36 ± 0.12	1.85 ± 0.29	< 0.001
Lt thalamus	6.86 ± 0.67	6.09 ± 0.66	< 0.001	7.04 ± 0.74	6.22 ± 0.71	< 0.001
Rt thalamus	6.78 ± 0.77	5.78 ± 0.61	< 0.001	7.10 ± 0.78	6.10 ± 0.78	< 0.001
Lt amygdala	1.39 ± 0.26	1.13 ± 0.28	< 0.001	1.35 ± 0.24	1.13 ± 0.20	< 0.001
Rt amygdala	1.35 ± 0.26	1.31 ± 0.30	0.07 [†]	1.28 ± 0.23	1.31 ± 0.24	0.09 [†]
Lt hippocampus	3.22 ± 0.67	3.48 ± 0.56	< 0.001	2.91 ± 0.50	3.28 ± 0.42	< 0.001
Rt hippocampus	3.25 ± 0.68	3.51 ± 0.59	< 0.001	2.97 ± 0.53	3.31 ± 0.46	< 0.001
Lt cerebellum	60.60 ± 4.92	60.64 ± 5.28	0.88 [†]	60.01 ± 5.76	60.77 ± 5.98	< 0.001
Rt cerebellum	58.73 ± 4.49	59.26 ± 5.08	0.05 [†]	58.88 ± 5.67	59.75 ± 6.01	< 0.001
Cerebral gray matter*	430.35 ± 42.64	406.90 ± 39.33	< 0.001	403.49 ± 63.41	373.91 ± 44.43	< 0.001
Cerebral white matter*	424.98 ± 46.80	400.51 ± 40.28	< 0.001	452.34 ± 55.25	458.69 ± 80.95	0.38 [†]

The units are mL. *Cerebral gray matter and white matter mean volume measured in both hemisphere, [†]Statistically not significant. AD = Alzheimer's disease, Lt = left, MCI = mild cognitive impairment, Rt = right, SD = standard deviation