Supplementary Table 3. Cognitive changes between baseline and the 3-month follow-up after CAS in CS patients stratified according the CS laterality (i.e., left or right side) as compared to the controls

Neuropsychological test	Baseline score			Difference from baseline			ANCOVA
	Right CS (n=14)	Left CS (n=8)	Control (n=10)	Right CS (n=14)	Left CS (n=8)	Control (n=10)	p
K-MMSE	25.9±4.3	23.0±4.7	26.5±2.6	0.4±2.3	1.9±3.9	1.1±2.2	0.578
Digit span-forward	6.5±1.7	5.4±1.1	6.5±1.8	-0.6±1.3	0.8±2.1	0±0.9	0.126
Digit span-backward	3.5±2.0	2.9±1.1	3.6±1.0	0.1±1.4	0.6±1.1	0±1.2	0.852
K-BNT	10.2±3.5	8.9±3.0	12.2±1.4	0.6±1.1	0.6±1.2	1.0±1.7	0.801
Calculation test	10.4±2.3	6.8±5.4	9.9±2.8	0.1±1.6	2.3±3.8	-0.1±0.7	0.131
ROCFT	29.0±9.5	22.5±16.5	32.2±6.8	1.6±5.1	2.1±3.9	0.8±2.8	0.643
Orientation test	5.7±0.8	5.1±1.0	5.7±0.5	-0.1±0.5	0.6±1.2	0.3±0.5	0.121
SVLT-free recall	14.4±8.3	9.4±4.6	20.4±6.4	1.9±6.9	2.6±6.1	2.8±5.0	0.124
SVLT-delayed recall	4.4±3.1	1.9±1.6	5.6±3.7	1.6±4.4	1.0±2.3	1.7±2.3	0.523
SVLT-recognition	6.6±3.8	4.3±2.6	8.4±1.6	0.7±2.9	1.4±4.0	1.7±1.8	0.079
ROCFT-immediate/delayed recall	26.0±17.7	19.5±16.8	31.4±17.0	5.9±11.4	4.9±6.3	7.0±7.5	0.980
ROCFT-recognition	6.9±2.9	4.4±4.7	7.3±2.5	1.0±2.4	0.1±3.4	1.2±2.7	0.231
Contrasting program	2.5±1.1	2.4±1.2	2.8±0.6	0.2±0.6	0.4±1.1	0.2±0.6	0.705
Go-no-go	2.3±1.1	2.4±1.2	2.6±0.5	0.2±1.1	0.1±1.2	-0.1±0.6	0.820
Fist-edge-palm	2.4±0.9	2.0±1.2	3.0±0	0.4±0.9	0.5±0.8	0±0	0.943
Luria loop	2.8±0.8	2.3±1.4	2.7±0.7	-0.2±0.8	-0.4±1.1	0.3±0.7	0.355
Word fluency–animal	12.9±4.8	9.1±3.7	13.5±2.7	-0.6±2.9	3.3±4.5	0.6±2.5	0.091
Word fluency–phonemic	5.9±4.0	2.6±3.4	6.5±2.8	-0.4±3.2	0.8±4.3	-1.1±3.5	0.814
Stroop test–color	13.3±4.5	5.9±6.3	15.7±2.9	0.5±3.0	3.3±4.1	1.1±3.0	0.370
SNSB-D	168.8±54.5	120.5±66.7	193.0±37.8	12.7±20.7	24.8±32.0	17.3±12.2	0.573

ANCOVA: analysis of covariance, CAS: carotid artery stenting, CS: carotid artery stenosis, K-BNT: Korean version of the Boston Naming Test, K-MMSE: Korean version of the Mini Mental State Examination, ROCFT: Rey-Osterrieth Complex Figure Test, ROCFT-immediate/delayed recall: immediate/delayed recall domain of the ROCFT, ROCFT-recognition: recognition domain of the ROCFT, SNSB-D: Seoul Neuropsychological Screening Battery-Dementia Version, SVLT: Seoul Verbal Learning Test.