

Supplementary Table 3. Results of comparisons of leakage and EF values between participants with and without reappearing symptom after microvascular decompression surgery in the hemifacial spasm patients in the specific brain areas

Brain area	Leakage			EF		
	No reappearing	Reappearing	p-value*	No reappearing	Reappearing	p-value*
Amygdala						
Left	-1.58±2.89	-1.91±4.09	0.727	168.36±68.31	216.92±151.07	0.123
Right	-3.05±3.91	-3.87±4.70	0.466	158.47±61.08	196.49±96.28	0.078
Parahippo						
Left	-1.71±3.81	-3.53±0.16	0.158	168.68±46.87	208.44±110.18	0.082
Right	-1.60±4.23	-2.70±4.87	0.358	165.64±52.89	187.99±76.40	0.199
Anterior cingulate						
Left	-2.78±3.49	-4.16±4.89	0.221	233.45±92.65	277.66±120.43	0.120
Right	-1.97±3.07	-1.88±4.43	0.931	236.66±97.40	273.96±138.46	0.239
Posterior cingulate						
Left	-1.87±4.71	-3.47±6.15	0.268	97.96±22.56	118.08±59.85	0.099
Right	-2.00±5.44	-3.11±5.93	0.452	95.62±21.71	114.13±58.56	0.120
Fusiform gyrus						
Left	-3.77±5.64	-4.66±6.13	0.565	193.72±71.48	236.35±140.83	0.154
Right	-5.27±5.60	-5.65±5.38	0.785	213.18±73.86	102.80±102.80	0.493
Precuneus						
Left	-1.37±4.10	-2.46±4.62	0.341	93.00±32.19	114.50±58.64	0.090
Right	-1.74±4.42	-2.17±0.71	0.708	94.32±33.75	108.20±56.58	0.262
Supra-marginal gyrus						
Left	-0.43±3.04	-2.42±4.14	0.041	94.30±31.38	118.28±52.95	0.041
Right	-1.30±3.01	-1.65±3.62	0.691	87.19±33.48	98.19±60.23	0.395
Middle temporal gyrus						
Left	-0.52±3.96	-1.94±4.86	0.227	129.48±38.54	165.84±112.78	0.110
Right	-1.18±3.80	-1.35±4.26	0.873	126.07±50.08	148.62±82.19	0.213
Middle frontal gyrus						
Left	-0.15±2.67	-1.27±3.51	0.171	124.86±75.30	148.55±73.61	0.224
Right	-0.23±2.75	-0.94±3.53	0.391	116.00±54.58	146.61±72.72	0.074
Middle occipital gyrus						
Left	-2.17±4.80	-3.46±4.45	0.284	100.33±42.10	115.88±50.21	0.203
Right	-3.66±4.69	-4.10±4.11	0.696	104.47±59.04	114.17±58.47	0.526
Cerebellum culmen						
Left	-3.46±5.28	-4.15±5.44	0.618	142.47±41.46	173.29±112.16	0.175
Right	-3.61±5.64	-4.02±4.90	0.760	148.97±50.01	164.00±78.15	0.387
Cerebellum declive						
Left	-4.86±7.25	-4.89±6.00	0.985	138.61±37.65	141.44±56.07	0.822
Right	-5.95±7.41	-6.30±6.60	0.847	144.24±43.05	151.18±49.98	0.569
Brainstem						
Left	-4.17±4.29	-5.06±5.04	0.470	197.74±84.39	230.19±136.97	0.282
Right	-3.84±4.42	-4.63±4.51	0.495	187.37±83.97	220.31±111.47	0.206

Values are presented as mean±standard deviation. *p-value by Independent samples t-test. EF : extraction fraction, Parahippo : parahippocampal gyrus