

Supplementary Table 4. Results of a ROC curve analysis of rCBV and rMTT values in the specific brain areas between reappearing and no-reappearing symptom groups after microvascular decompression surgery in the hemifacial spasm patients

Brain area	ROC - rCBV				ROC - rMTT			
	SE	SP	AUC	p-value*	SE	SP	AUC	p-value*
Amygdala								
Left	68.75	57.14	0.597	0.192	50.00	67.86	0.537	0.626
Right	21.87	100.00	0.629	0.071	53.13	67.86	0.584	0.259
Parahippocampal gyrus								
Left	59.38	67.86	0.597	0.190	40.63	82.14	0.581	0.272
Right	46.88	82.14	0.631	0.071	84.37	32.14	0.571	0.338
Anterior cingulate								
Left	59.38	64.29	0.560	0.426	40.63	85.71	0.619	0.101
Right	65.62	53.57	0.558	0.441	65.62	60.71	0.614	0.118
Posterior cingulate								
Left	59.38	64.29	0.592	0.217	28.12	92.86	0.586	0.244
Right	37.50	85.71	0.612	0.126	62.50	57.14	0.590	0.220
Fusiform gyrus								
Left	50.00	67.86	0.556	0.457	50.00	82.14	0.597	0.192
Right	28.12	89.29	0.564	0.393	53.13	67.86	0.578	0.294
Precuneus								
Left	59.38	71.43	0.596	0.195	71.87	46.43	0.590	0.220
Right	59.38	75.00	0.625	0.088	28.12	89.29	0.580	0.277
Supramarginal gyrus								
Left	62.50	64.29	0.566	0.380	75.00	42.86	0.575	0.316
Right	53.13	75.00	0.574	0.327	87.50	28.57	0.583	0.264
Middle temporal gyrus								
Left	46.88	67.86	0.565	0.385	40.63	82.14	0.619	0.100
Right	43.75	78.57	0.557	0.448	31.25	92.86	0.600	0.171
Middle frontal gyrus								
Left	65.62	57.14	0.556	0.459	71.87	50.00	0.608	0.140
Right	68.75	57.14	0.584	0.264	37.50	89.29	0.626	0.081
Middle occipital gyrus								
Left	56.25	67.86	0.581	0.273	46.88	71.43	0.560	0.419
Right	59.38	60.71	0.574	0.322	46.88	71.43	0.561	0.410
Cerebellum culmen								
Left	53.13	67.86	0.579	0.287	34.38	85.71	0.578	0.292
Right	50.00	67.86	0.589	0.227	31.25	92.86	0.585	0.252
Cerebellum declive								
Left	59.38	57.14	0.557	0.448	43.75	85.71	0.592	0.216
Right	84.37	32.14	0.576	0.306	46.88	71.43	0.574	0.321
Brainstem								
Left	34.38	89.29	0.608	0.138	53.13	67.86	0.574	0.321
Right	40.63	89.29	0.605	0.152	40.63	82.14	0.560	0.419

*p-value by ROC curve analysis. ROC : receiver operating characteristic, rCBV : relative cerebral blood volume, rMTT : relative mean transit time, SE : sensitivity, SP : specificity, AUC : area under curve