

Supplementary Table 5. Results of a ROC curve analysis of leakage and EF 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 - leakage				ROC - EF			
	SE	SP	AUC	p-value*	SE	SP	AUC	p-value*
Amygdala								
Left	21.87	96.43	0.547	0.537	75.00	57.14	0.618	0.111
Right	34.38	78.57	0.533	0.661	90.62	35.71	0.635	0.063
Parahippocampal gyrus								
Left	59.38	57.14	0.564	0.398	46.88	82.14	0.624	0.092
Right	59.38	57.14	0.551	0.499	43.75	85.71	0.586	0.256
Anterior cingulate								
Left	31.25	89.29	0.517	0.827	68.75	53.57	0.605	0.156
Right	34.38	85.71	0.502	0.977	87.50	32.14	0.564	0.404
Posterior cingulate								
Left	15.63	100.00	0.554	0.478	34.38	92.86	0.546	0.552
Right	90.62	25.00	0.550	0.508	28.12	100.00	0.546	0.551
Fusiform gyrus								
Left	50.00	60.71	0.533	0.660	43.75	85.71	0.605	0.157
Right	100.00	14.29	0.509	0.908	31.25	85.71	0.516	0.838
Precuneus								
Left	93.75	21.43	0.548	0.527	46.88	82.14	0.600	0.183
Right	93.75	17.86	0.515	0.850	28.12	92.86	0.551	0.500
Supramarginal gyrus								
Left	25.00	96.43	0.619	0.101	62.50	64.29	0.637	0.058
Right	59.38	60.71	0.503	0.965	78.12	39.29	0.511	0.885
Middle temporal gyrus								
Left	65.62	60.71	0.596	0.201	37.50	96.43	0.610	0.138
Right	71.87	39.29	0.506	0.942	28.12	92.86	0.592	0.218
Middle frontal gyrus								
Left	46.88	75.00	0.574	0.328	50.00	78.57	0.617	0.113
Right	40.63	78.57	0.558	0.443	62.50	71.43	0.646	0.045
Middle occipital gyrus								
Left	59.38	64.29	0.565	0.395	68.75	53.57	0.603	0.168
Right	65.62	50.00	0.520	0.794	31.25	89.29	0.538	0.620
Cerebellum culmen								
Left	62.50	57.14	0.550	0.514	50.00	71.43	0.581	0.276
Right	62.50	57.14	0.540	0.603	65.62	21.43	0.518	0.815
Cerebellum declive								
Left	53.13	60.71	0.513	0.863	62.50	60.71	0.527	0.729
Right	84.37	25.00	0.527	0.725	34.38	82.14	0.508	0.919
Brainstem								
Left	15.63	100.00	0.547	0.537	81.25	39.29	0.577	0.310
Right	96.87	21.43	0.552	0.494	71.87	53.57	0.598	0.194

*p-value by ROC curve analysis. ROC : receiver operating characteristic, EF : extraction fraction, SE : sensitivity, SP : specificity, AUC : area under curve