Supplementary Materials

Supplementary Table 1: Correlations between Behavioral parameters and age

ΔINDEX VS AGE	R^2	P
Reaction time	0.00	0.853
Peak velocity	0.02	0.490
Hand path area	**0.29**	**0.005**
Total movement time	0.04	0.330
Left ROI		
ERD magnitude	0.03	0.384
ERS magnitude	0.05	0.286
ERD peak latency	0.01	0.722
ERS peak latency	0.08	0.177
Frontal ROI		
ERD magnitude	0.12	0.085
ERS magnitude	0.03	0.400
ERD peak latency	0.01	0.612
ERS peak latency	0.09	0.143

Supplementary Table 2: Results of the Mixed Model ANOVA for ERD, ERS, and beta modulation comparing groups across practice in the two ROIs.

	Group		Practice		GroupXPractice	
	F	**P**	**F**	**P**	**F**	**P**
Left ROI						
ERD	0.52	0.477	1.36	0.246	0.65	0.664
ERS	1.76	0.197	**7.71**	**<0.001**	0.63	0.666
Beta Modulation	1.72	0.203	**7.95**	**<0.001**	0.68	0.661
Frontal ROI						
ERD	1.09	0.308	**3.43**	**<0.001**	0.75	0.591
ERS	0.00	0.959	**6.19**	**<0.001**	0.75	0.571
Beta Modulation	0.00	0.962	**6.05**	**<0.001**	0.72	0.595

Supplementary Table 3: Results of the Mixed Model ANOVA for ERD, ERS, and beta modulation peak latency.

	Group		Practice		GroupXPractice	
	F	P	F	P	F	P
Left ROI						
ERD	3.99	0.057	1.20	0.296	1.07	0.388
ERS	**9.78**	**0.005**	**2.46**	**0.023**	0.82	0.562
Frontal ROI						
ERD	4.20	0.052	0.91	0.516	0.61	0.777
ERS	**13.56**	**0.001**	1.82	0.084	1.16	0.330