

RBH CASE PRESENTATION : MIGRAINE, SEQUALAE FROM MTBI (CONCUSSION/MVA), DEPRESSION, PTSD

RBH TREATMENT: INDIVIDUAL PSYCHOTHERAPY + 20 SESSIONS NEUROFEEDBACK

PRE-TREATMENT

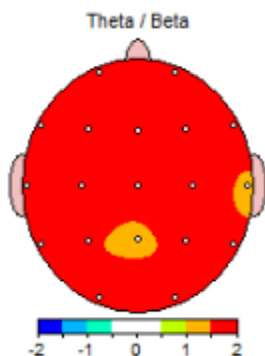
Z Scored FFT Power Ratio

Significantly Elevated Slowing in EEG as measured by Theta/Beta Ratio across Multiple Regions

	/B	D/G	T/A	T/B	T/K
FP1 - LE	0.26	0.28	0.93	2.01	
F3 - LE	1.17	0.84	1.07	2.88	
C3 - LE	1.58	1.22	0.52	2.44	
P3 - LE	0.98	1.20	0.13	1.80	
O1 - LE	1.31	1.31	0.29	1.78	
F7 - LE	0.15	0.07	0.71	1.96	
T3 - LE	0.93	0.71	0.49	2.01	
T5 - LE	1.16	0.94	-0.05	1.95	

	/B	D/G	T/A	T/B	T/K
FP2 - LE	0.32	0.30	0.98	2.21	
F4 - LE	1.17	0.97	1.06	2.88	
C4 - LE	1.65	1.10	0.64	2.31	
P4 - LE	1.14	1.12	0.42	1.66	
O2 - LE	1.30	1.10	0.47	1.69	
F8 - LE	0.40	0.17	0.84	2.18	
T4 - LE	0.87	0.20	0.93	1.38	
T6 - LE	1.09	0.67	0.35	1.73	

	/B	D/G	T/A	T/B	T/K
Fz - LE	1.38	0.90	1.21	2.84	
Cz - LE	1.28	1.15	0.80	2.03	
Pz - LE	0.85	1.21	0.25	1.43	



POST TREATMENT

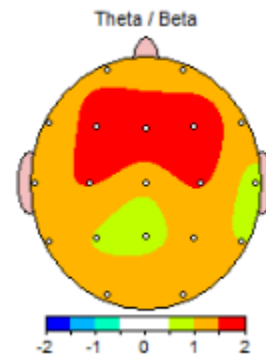
Z Scored FFT Power Ratio

Theta/Beta Ratio significantly improved and within normal limits (+/- 2 sd)

	/B	D/G	T/A	T/B	T/K
FP1 - LE	-0.34	-0.07	0.45	1.37	
F3 - LE	-0.57	-0.43	0.10	1.10	
C3 - LE	0.12	0.24	0.48	1.86	
P3 - LE	-0.01	-0.10	-0.07	1.24	
O1 - LE	0.30	0.16	0.02	1.53	
F7 - LE	-0.03	-0.38	-0.63	1.14	
T3 - LE	0.11	-0.07	-0.37	0.97	
T5 - LE	0.35	-0.08	-0.26	1.27	

	/B	D/G	T/A	T/B	T/K
FP2 - LE	-0.15	0.06	0.41	1.31	
F4 - LE	0.28	0.45	0.42	1.91	
C4 - LE	-0.57	-0.46	0.04	1.31	
P4 - LE	0.52	0.42	0.08	1.55	
O2 - LE	-0.08	-0.30	-0.01	0.87	
F8 - LE	0.29	0.12	-0.01	1.12	
T4 - LE	-0.04	-0.15	-0.20	1.00	
T6 - LE	0.36	-0.36	0.03	1.23	

	/B	D/G	T/A	T/B	T/K
Fz - LE	0.28	0.22	0.59	1.84	
Cz - LE	0.11	0.25	0.08	1.16	
Pz - LE	0.16	0.18	-0.15	0.90	



Beck Depression Inventory: BDI-II:	PRE-TREATMENT SCORE: 19	POST-TREATMENT: 13*
Beck Anxiety Inventory BAI-II:	PRE-TREATMENT SCORE: 23	POST-TREATMENT: 16*
Davidson Trauma Scale DTS:	PRE-TREATMENT SCORE: 86	POST-TREATMENT: 57*

***Significant Reduction in Depression, Anxiety, and Trauma Symptoms**