



MYNEURVA

The Rugby Playing Savant- A Case of Traumatic Brain Injury

Dr Fred Starr, MD, FAAAP

32-Year-Old Male Case from 2017

The subject is in his Early-Mid Thirties.

Grew up in Lichtenstein, now lives in Hong Kong.

Finished his Masters Degree in Neuroscience at age 16.

Angel Investor in Green Ecotechnology.

Played Semi-Professional Rugby, sustained head injury in 20s.

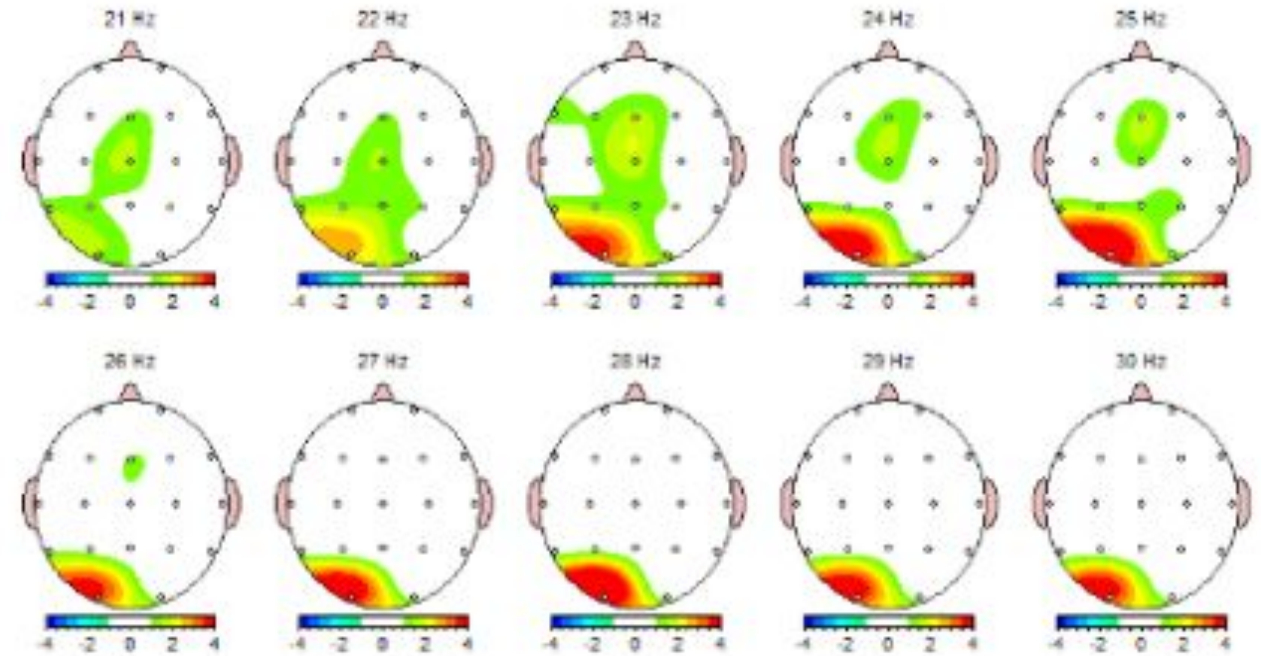
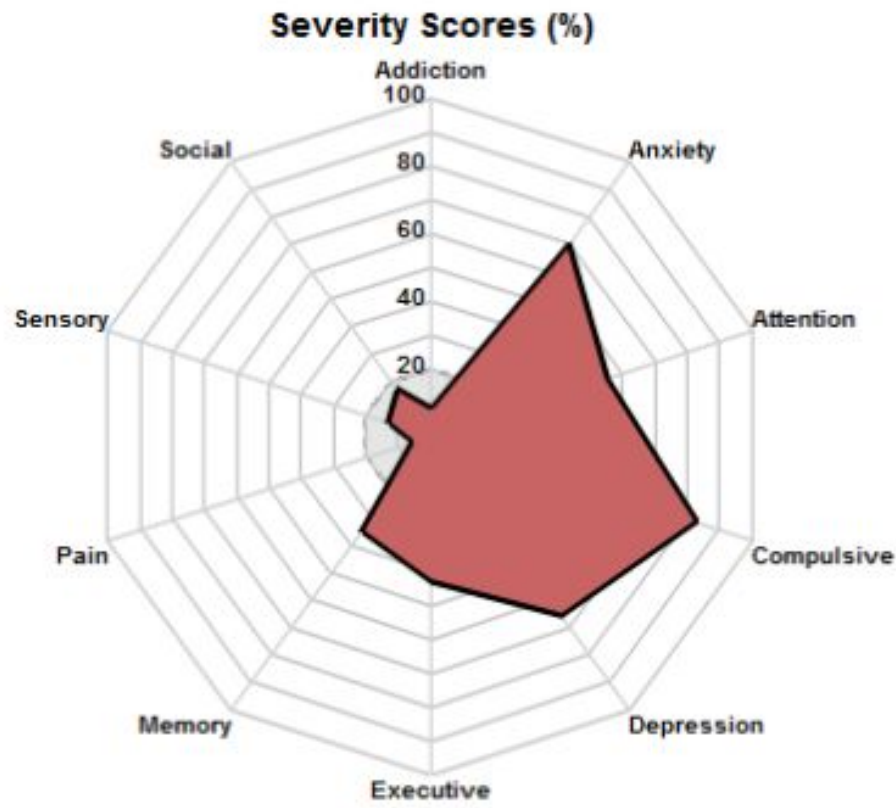
Symptoms did not emerge for several months after injury.

- Insomnia
- Anger
- Attention Problems.

Subject saw a psychiatrist and was diagnosed with depression, with a 15 min interview. After his medication failed, was diagnosed with Bipolar Disorder and put on more meds.

Medication began causing side effects...

Pre-NFB Complaints and Brainscan



On Interview...

Subject reported attention problems, insomnia, and symptoms consistent with depression such as poor hygiene, sadness, guilt, suicidal ideation, difficulty in his relationships, “grandiosity.”

When asked if he has had a head injury, he explained his Rugby career and that no one had asked him about hitting his head. At the age of 23 he was rendered unconscious for 2 hours. He was checked in the Emergency Department and told he had a minor concussion and to rest.

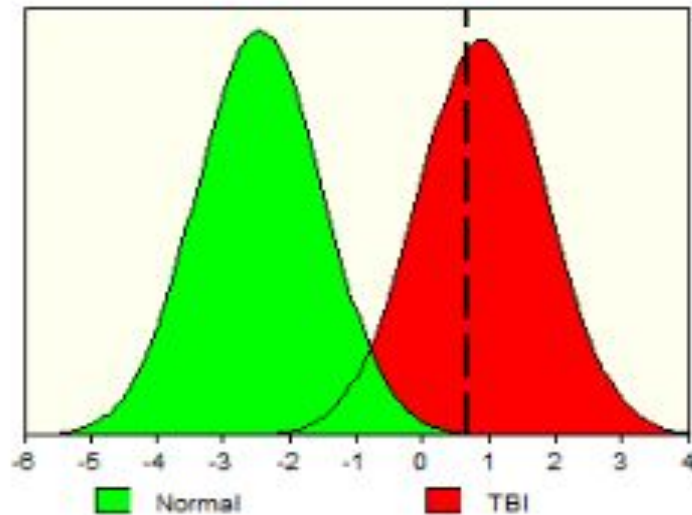
His symptoms started gradually several months after the injury and was not considered as part of the problem.

Head Injury Detected on Brainmap

TBI DISCRIMINANT SCORE = 0.64

TBI PROBABILITY INDEX = 99.5%

The TBI Probability Index is the subject's probability of membership in the mild traumatic brain injury population. (see Thatcher et al, EEG and Clin. Neurophysiol., 73: 93-106, 1989.)



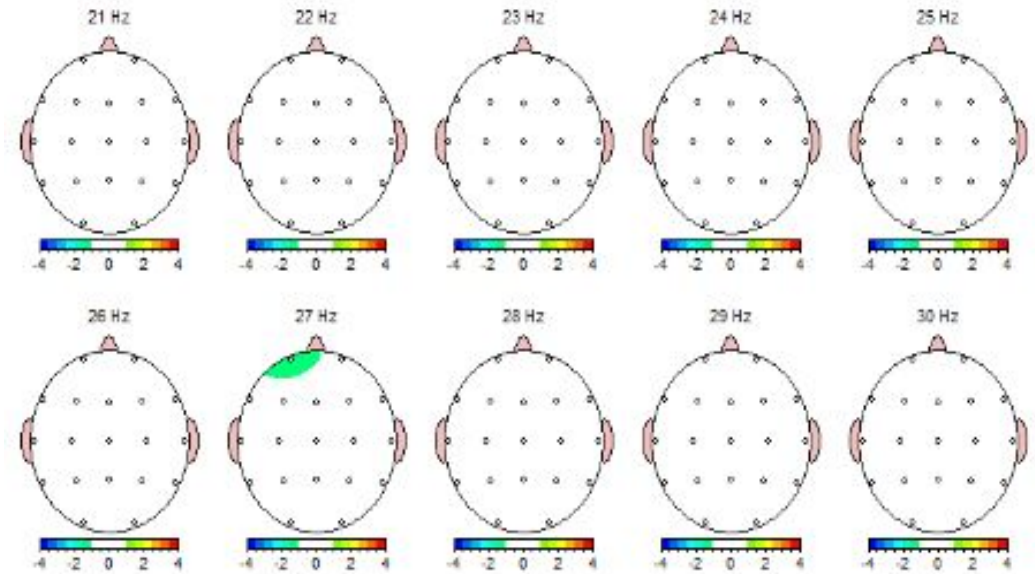
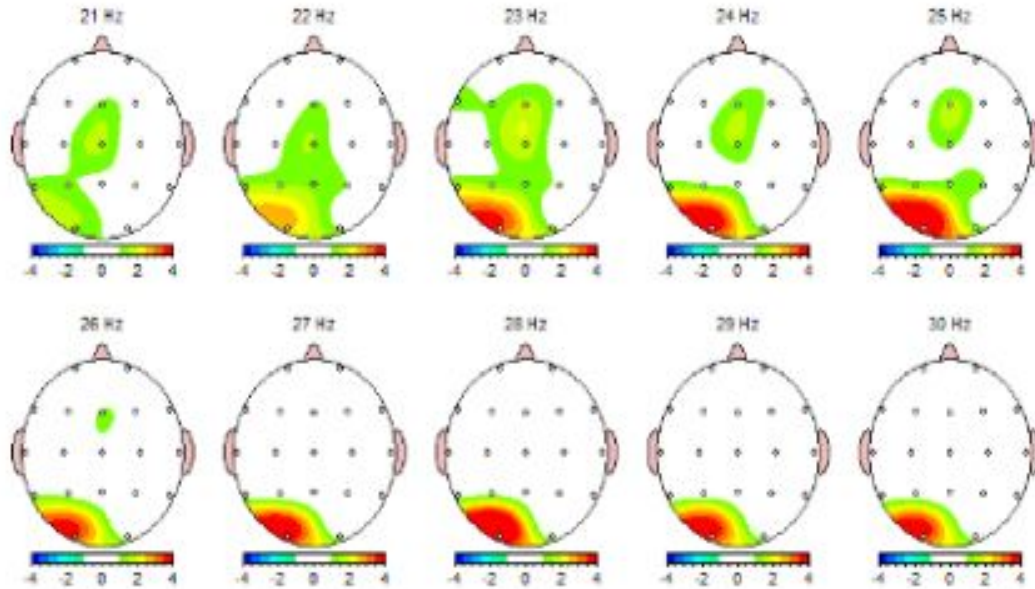
			RAW	Z
FP1-F3	COH	Theta	89.63	0.82
T3-T5	COH	Beta	64.07	1.22
C3-P3	COH	Beta	80.80	0.60
FP2-F4	PHA	Beta	-0.18	-0.98
F3-F4	PHA	Beta	-0.52	-0.06
F4-T6	AMP	Alpha	-88.93	-0.68
F8-T6	AMP	Alpha	-116.55	-0.59
F4-T6	AMP	Beta	11.22	0.30
F8-T6	AMP	Beta	-34.04	0.60
F3-O1	AMP	Alpha	-19.06	0.89
F4-O2	AMP	Alpha	-47.23	0.36
F7-O1	AMP	Alpha	75.01	-0.71
F4-O2	AMP	Beta	0.84	0.46
P3	RP	Alpha	50.27	-0.40
P4	RP	Alpha	60.56	0.28
O1	RP	Alpha	40.63	-1.31
O2	RP	Alpha	54.09	-0.54
T4	RP	Alpha	38.28	-0.13
T5	RP	Alpha	48.92	-0.45
T6	RP	Alpha	63.83	0.36

Measured Improvement After 20 Sessions of NFB

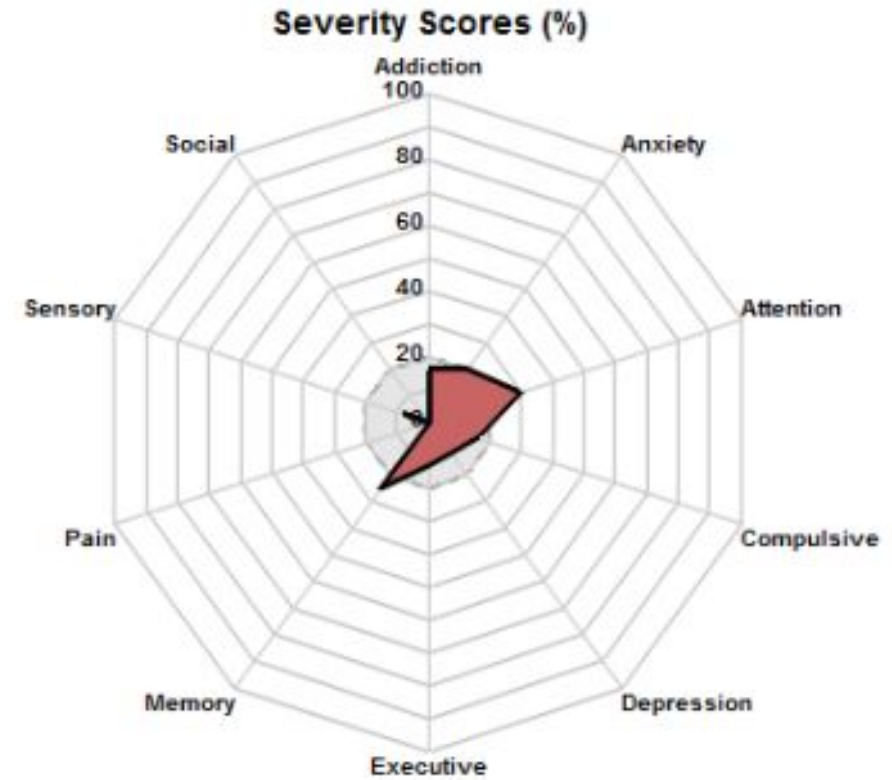
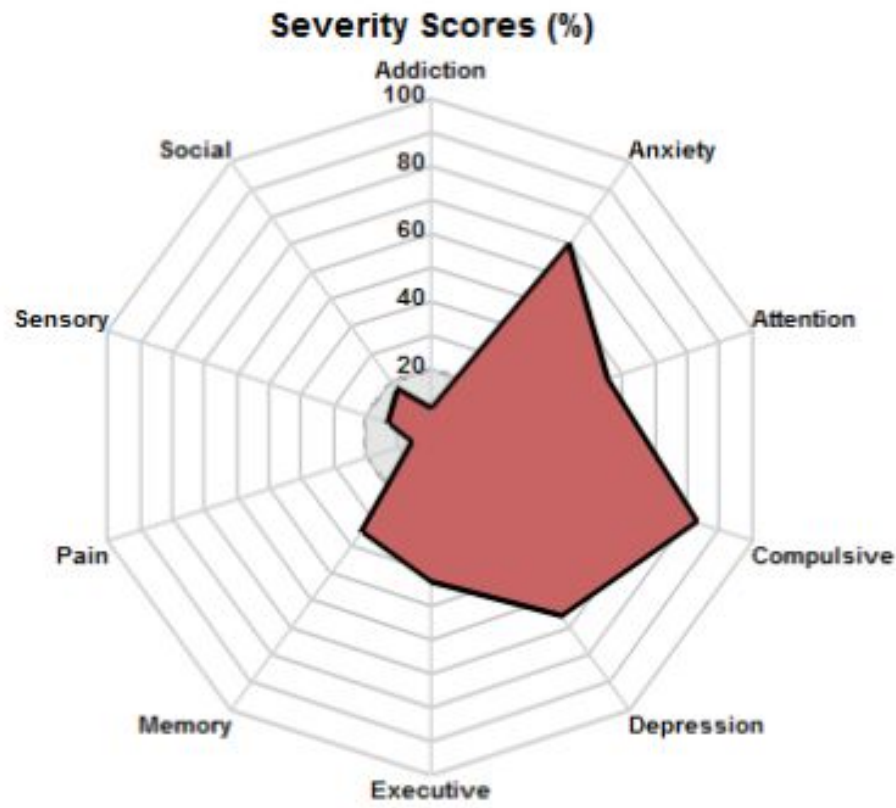


Before

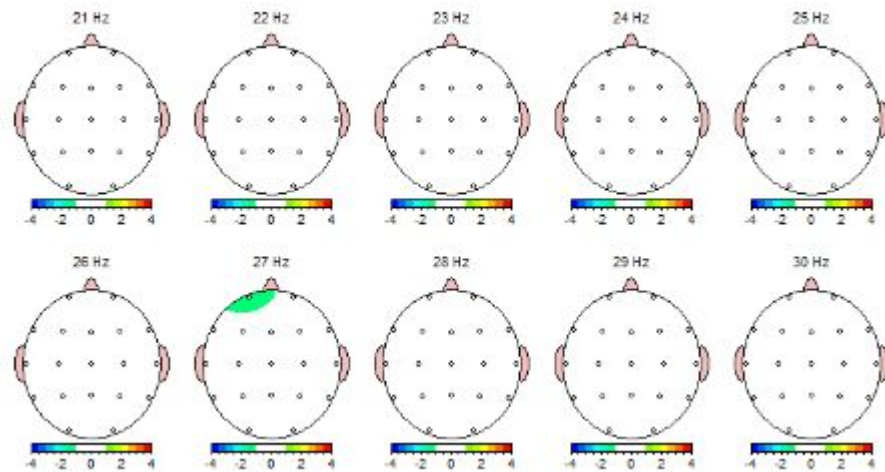
After



Client's Reported Improvement



Summary of Results



Over 4 weeks, subject completed 20 Sessions (1 Dose) of Remote Z-Score S-Loreta Neurofeedback directed at the Frontal and Posterior Networks.

His results were remarkable.

After Three Sessions- Improvement in Sleep

After 10 Sessions- Began medication taper

After 20 Sessions- Symptom free without medication.

From his Treating MD,

“Dr. Starr the work you are doing is nothing short of groundbreaking.” Dr. David Trodd

Present Day



After NF, subject has been medication free for 3 years.



Improved Relationship



Restarted Venture Fund



Thriving



Voted Top 10 “Young Eco Investor,” Forbes.

