

Why Neuro-Feedback?

- Many neurological conditions are the result of deregulation of brain wave activity.
- The brain map objectively defines which and where this deregulation has occurred in the brain.
- Since all learning requires feedback, a training protocol is designed to teach the brain how to regulate itself. As a result, brain functioning is improved.

How does it work?

- Neuro-Feedback works through a learning process called operant conditioning in which reward feedback (auditory/visual) informs the patient when their brain waves are acting in a healthier way that is improving cognitive and behavioral functioning.
- Through therapy, the patient is taught the cognitive skills and strategies necessary to manage their symptoms
- The combination of Neuro-Feedback and cognitive/behavioral therapy will teach patients how to use their mind to change their brain wave state. this empowering process is known as self-regulation.

Can I continue to take my medications during the neuro-feedback program?

- Yes. Neuro-feedback can be performed while patients continue to take their prescribed medication.
- Neuro-feedback treatment focuses on the cause or source of symptoms while medications often treat the symptoms.
- Some patients need to be on medication, we are not anti-medication, In conjunction with medication, our cognitive training/treatment program can either reduce the amount and number of medication or eliminate the need for them. As you know, all medications have side effects, whereas neuro-feedback does not.

How is Neuro-Feedback performed?

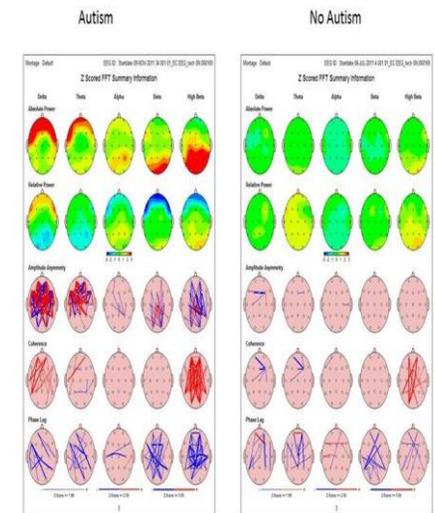
- Sensors are placed on the individual's head to record electrical activity of the brain waves
- A picture of the brain's electrical activity (i.e., EEG) is displayed on the clinician's computer, while on the other computer the individual will perform cognitive exercises.

Contact for an appointment

Hui Lan Zhang clinical psychologist

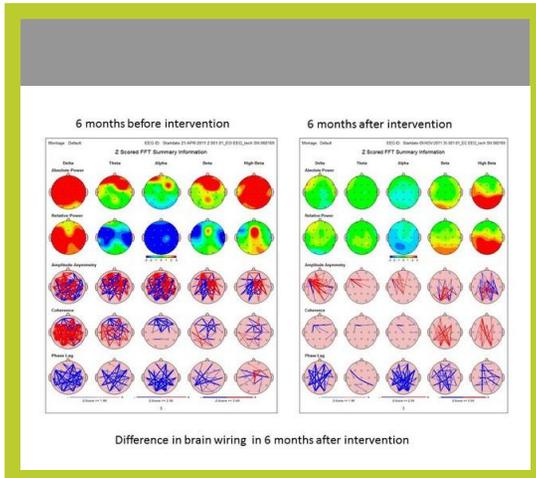
810-985-5125

Advanced treatments for neurological disorders such as ADHD, Traumatic Brain injury, Anxiety, Depression and Age Related Cognitive Decline



Brainmap showing the difference between autism and a non-autism brain

Pre- and Post-Treatment Brain Map EEG Neuro-Feedback



EEG Neuro-Feedback is a type of therapeutic treatment for your brain. It is effective for many issues that are neurologically related to brain function, such as ADD/HD, Depression, Anxiety, Traumatic Brain Injury, OCD, Learning disorders, Sleep disorder, Pain and Migraines, to name a few. If you suffer from these neurological disorder, you may experience problems with memory, concentration, learning new information, logical thinking, decision making. You may also experience emotional instability such as feeling overly anxious, depressed, rigid thinking, oppositional, anger/resentment and persistent negative thinking

There is Hope

Scientific research has validated that Neuro-Feedback training taps into the mind by teaching an individual through feedback to modify their own brain wave activity. Therefore, the mental functioning will be improved.

What conditions does Neuro-Feedback Help?

Several neurological conditions which have published evidence of their effectiveness include:

- Attention Deficit Disorder (ADD/HD)riting a brochure, write it so that someone who has never heard of your company can understand what you're offering as quickly as possible. Stay away from using jargon, acronyms, or complicated terms.
- Traumatic Brain Injury (TBI)
- Age Related Cognitive Decline (Alzheimer's)
- Post Traumatic Stress Disorder
- Anxiety Disorders
- Depression
- Chronic Fatigue Syndrome
- Chronic Pain
- Sleep Disorder

The literature clearly indicates Neuro-Feedback is an effective treatment when the brain is not performing as it should. When integrating Neuro-Feedback with traditional cognitive/Behavioral psychotherapies, one can learn to improve mental functioning in these areas:

- Enhanced cognition, memory, attention, reasoning, comprehending, problem-solving and organizational skills
- Enhanced mental clarity and energy to think more clearly and feel more alert
- Improved mental speed and processing to think and respond more quickly
- Regulate emotions and actions for improved daily functioning, to feel more positive
- Feel less anxious and more confident through cognitive skill mastery
- Improved academic and sports performance
- improved quality of sleep



For a comprehensive review of the literature:

www.isnr.org/compreheansiveBibliography.cfm
www.appliedneuroscience.com/Articles.htm