



High Density EEG (HD - EEG)

CNNH is the only clinical provider in the region of High Density Electroencephalography "brain wave" testing technology. This testing is also available, by referral, without having to be a CNNH patient.

→ More Electrodes = Greater Accuracy

HD-EEG is an improvement over conventional EEG. HD-EEG utilizes a sensor net of 128+ sponge electrodes to surround the head for maximum data collection, superior accuracy, and 3-D imaging of brain wave activity. Conventional EEG's only have 16-24 electrodes.

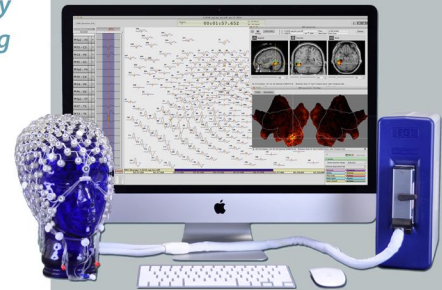
→ Quick and Painless Application

Application of traditional EEG electrodes is a tedious process that scrapes the scalp and traumatizes sensitive patients. The High Density EEG sensor net utilizes sponge electrodes that rest comfortably on the head and are quick and painless to apply without the need for sedation, allowing for increased testing time and better data collection.

→ The High Density Difference

HD-EEG is useful in detecting "subclinical" low-level electrical brain activity previously hidden to traditional EEG technologies. The detection of abnormal brain activity at a "subclinical" level helps our doctors make nuanced and sometimes surprising and life-changing diagnoses.

Our neurotechnologists have specialized training in the use of HD-EEG and strive to create a comfortable, soothing experience for our patients without the need for sedation through comfortable chairs, television and video games.



HD-EEG Can Detect Abnormalities For...

- Epilepsy / Seizures
- Autism Spectrum Disorders
- ADHD
- Brain Injury/ Concussions
- Learning Disorders
- Neuropsychiatric Disorders

About EEG's...

EEG (electroencephalography) is a method to monitor and record electrical brain activity via electrodes placed along the scalp. The electrodes detect voltage fluctuations in the brain resulting from the firing of neuron cells. When abnormal activity is detected, it is useful evidence in the diagnoses of various disorders as well as treatment recommendations.

HD-EEG services are available in our Wall Township and Voorhees locations



www.CNNH.org • 855.852.8150



Voorhees, NJ
Wall Township, NJ
King of Prussia, PA



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