



Research investigating EEG assisted ADHD assessment.

NEBA™ OVERVIEW

Neba™ is an experimental, small format EEG-based device being studied under an Investigational Device Exemption from the Food and Drug Administration.

EEG stands for electroencephalogram. All EEG devices measure electrical activity originating in an area of the brain called the cerebral cortex. The cerebral cortex plays an important role in cognitive functioning, including attention, memory, awareness, thought, language and consciousness. Neba™ uses electrical detectors placed on the scalp to record these small changes in electrical activity. Neba™ processes the EEG data arising from brain activity in a manner that may aid physicians in the assessment of ADHD.

We designed Neba™ to be inexpensive, simple and quick to use when compared to traditional EEG collection devices and procedures. Like all EEG devices, Neba™ is noninvasive.



TRIAL OVERVIEW

Participants enrolled in the trial will receive a comprehensive workup (or exam) for ADHD and other neuro-psychiatric disorders. The research is designed to study the association of EEG with a Best Estimate Diagnosis.

The trial will examine subjects who consecutively present with attention or behavioral problems at clinic. An important part of the study design is the inclusion of psychiatric conditions that present with ADHD-like symptoms.

Over a four to five week period, participants are given a workup including:

- A physical examination with hearing and vision tests
- IQ and other cognitive performance tests
- Common scales and interviews
- EEG (taken at multiple visits).

Results of the comprehensive workup are presented to parents and children at a final visit. The EEG and EEG results are being investigated and will not be shared with parents and children.

MORE ABOUT YOUR ROLE IN THIS STUDY

The tests and questionnaires used in this research study include interviews, IQ and achievement tests, and rating scales (completed by the study doctor and 1 or 2 of your child's teachers). As parents, you will also be asked to answer questions based upon your impressions of your child's behavior.

EEG measures the electrical activity of the brain by placing electrodes with conductive gel on your child's scalp. The Neba™ EEG-based assessment aid is being studied as a tool to help in evaluating ADHD in children and adolescents. The device employed in this research is being studied under an Investigational Device Exemption (IDE) that allows unapproved medical devices to be utilized under particular conditions involving research and human subjects.

If you and your child decide that this study is appropriate for him or her, your part in the study will last between three and five weeks.

IF YOU NEED FURTHER INFORMATION, PLEASE CONTACT US

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