



Creating the future of brain care and optimization

WAVi is positioned to become the #1 tool to identify, predict and optimize brain health. WAVi is a complete turnkey brain measurement platform that provides objective information about brain function to clinicians, specialists and researchers.

Regulations & Applications

- **FDA cleared hardware:** Class II Medical Device
- **Software:** Class II Aid to Diagnosis (submittal expected Q3 2021; expected receiving Q4 2021/ Q1 2022)
- **Submitting NIH Phase II:** Scalable, portable device platform to help objectively monitor the treatment of substance abuse (submittal expected Q3 2021)
- **Submitting FDA Breakthrough Device:** Biomarker for opioid addiction in the setting of pain (submitted Q2 2021)
- **Issued patents:** WAVi methods for dataset analysis — patient data management apparatus for comparing patient data with ailment archetypes to determine correlation with established ailment biomarkers
- **Issued patent:** WAVi headset device



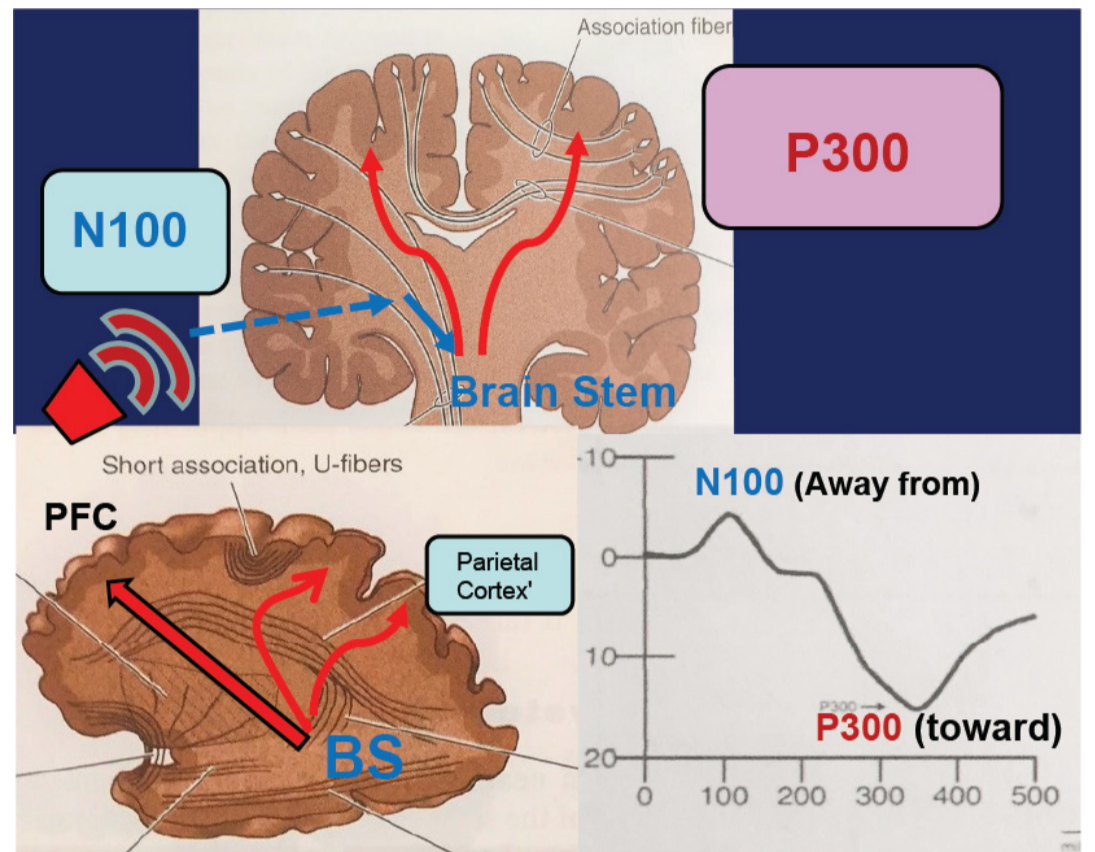
How WAVi Works

- **WAVi uses a unique blend of EEG, ERP, HRV and toolbox assessments to obtain direct measurements of brain function.** These measures can be used to help improve participant outcomes, optimize treatments, assess cognitive traits vs. states, and to look at before and after markers following traumatic events.
- **EEG is the gold standard tool for investigating time related patterns of the brain** and provides direct measures of brain activity with higher measured voltages indicative of increased neuronal activity. It is particularly useful to see how brain activity changes according to a presented stimuli while recording the EEG signals. This technique is called an evoked response potential (ERP). Each EEG electrode measures local neuronal activity with high temporal resolution.



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- All of the markers used by the WAVi Platform have been validated by peer-reviewed publications, including the P300. The P300 wave is one of the most studied signatures of cognitive processes and is highly reproducible allowing for a wide range of applications in clinical research.
- WAVi uses an auditory signal to elicit a P300 response. A signal is sent to the participant's midbrain and down to the auditory neurons of the brainstem. The information is then sent back from the brainstem to the cortex for processing and all portions of the brain are activated.



WAVi's evoked metrics include:

- Brain reaction voltage
- Brain reaction speed
- Physical reaction speed

Non-evoked WAVi metrics include:

- Theta/beta ratio
- Frontal alpha symmetry
- Coherence
- Alpha peak frequency

Each of these metrics are direct measurements of brain function, have been well-researched, are reproducible and are actionable.

Accessible and affordable

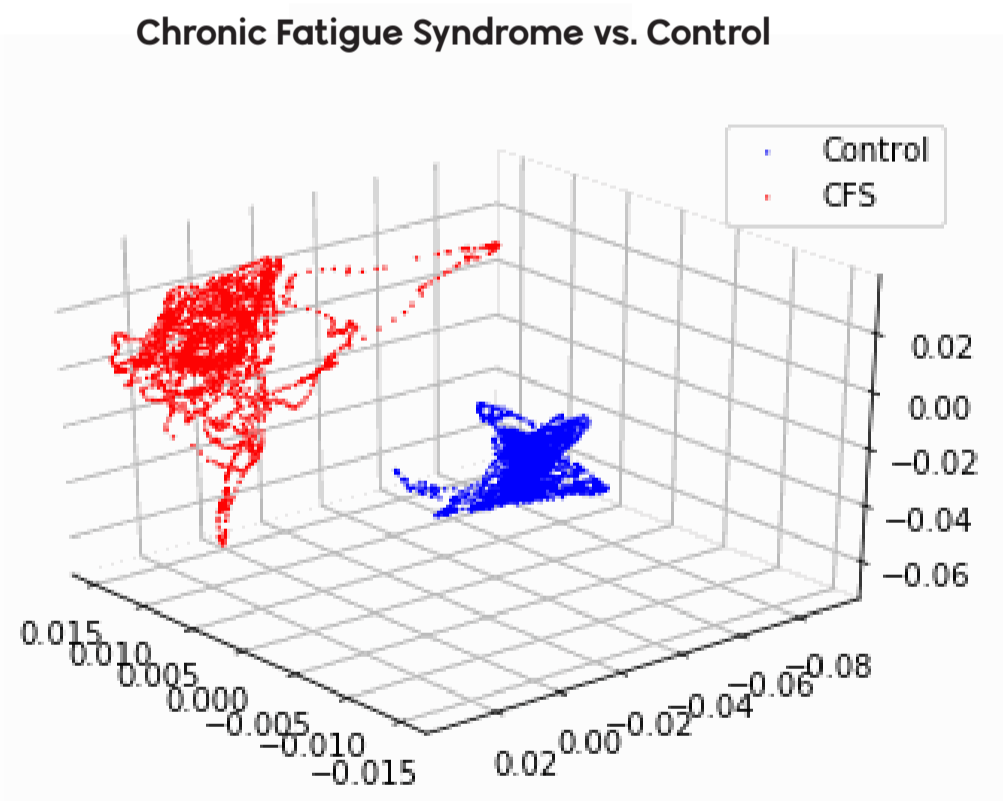
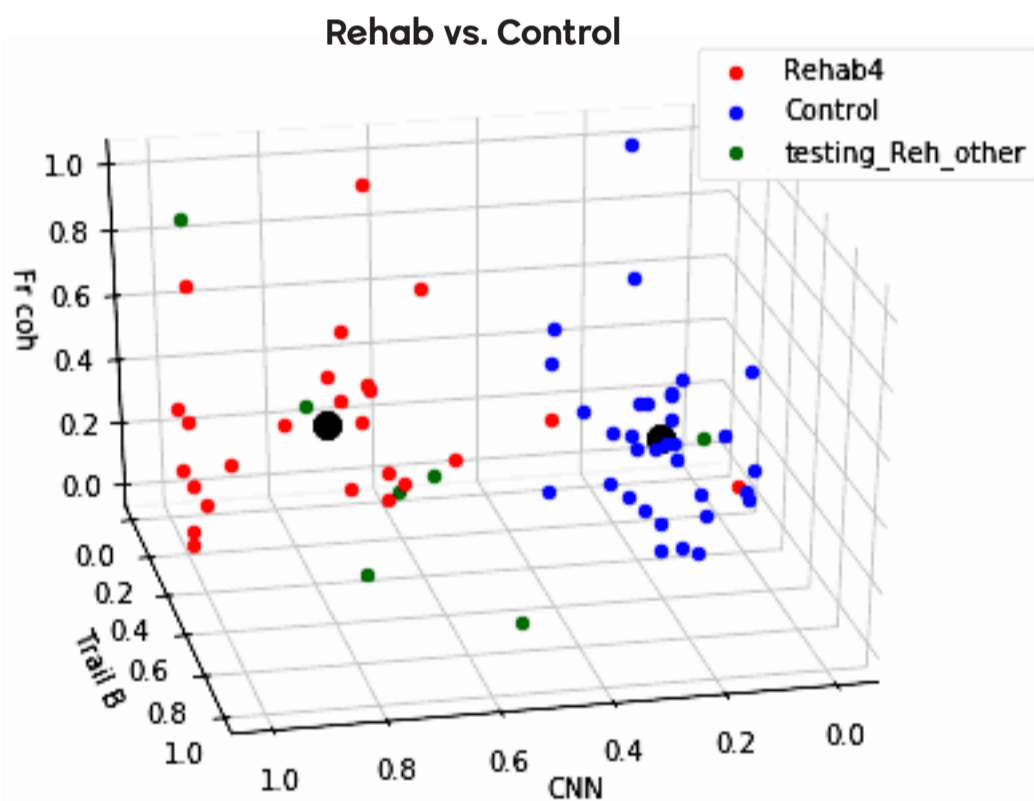
- The patented WAVi headsets were developed over 10 years and refined by MOMO Design using Crocs-like material. They are comfortable, light, portable and extremely user-friendly.
- The corresponding WAVi software interprets the recorded data, distilling it into actionable insights and meaningful reports that can be read and understood by both the clinician and patient.
- The WAVi system is easy to use regardless of experience. The system requires just 3 hours of training to be up and running in-clinic.
- With WAVi's FDA clearance clinicians are already using CPT codes for reimbursement



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WAVi Data & Research

- **WAVi's growing database of brain-related metrics**, taken from real life data, is being used to create new methods of discovery, including the longterm goal of detecting, and preventing, age-related decline before it happens.
- **By collecting data from "real-life" conditions such as annual health checkups or baselines**, WAVi uses its patented machine learning techniques to discover novel markers and patterns in cognitive function signatures.
- **WAVi has collaborated with universities, healthcare practitioners, institutions and sports teams on a variety of research studies.** These studies investigating novel markers range from mild cognitive impairment to trauma to validating interventions.
- **WAVi has recieved NIH grants** to explore relationships between cognitive function and chronic pain/addiction.
- **WAVi has collaborated on several research studies looking at concussion and sports.** Including a published 4 year longitudinal study tracking division 1 atheltes. The data from this study suggests significant P300 amplitude changes after concussion are quantifiable and consistent.



Disclaimer: The WAVi Headset is FDA cleared for use in routine clinical and research settings where rapid placement of a number of EEG electrodes is desired. The WAVi Desktop software is provided as a service for use in clinical and research settings where a combination of research-EEG with evoked responses and public domain assesment tools is desired. WAVi reports have not been evaluated by the FDA and are provided for research, education, and information. WAVi makes no warranty as to the accuracy of the screening and assesment tools.
WAVi Enterprise v11