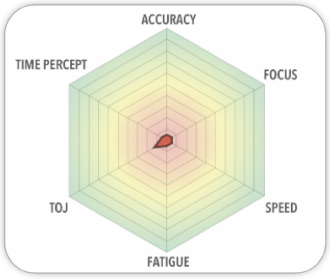
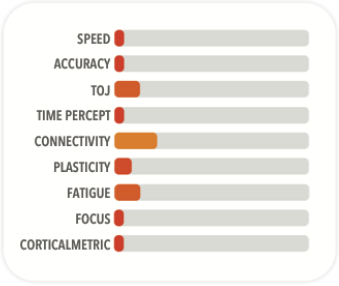
THE BRAIN GAUGE: AN OVERVIEW

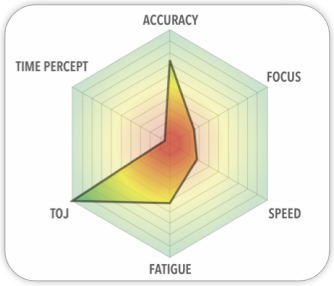
The Brain Gauge is a novel brain health assessment system that takes advantage of the well-documented relationship between the sensory nerves in the fingers and the projection of those nerves to corresponding regions in the brain. The Brain Gauge is a mouse-sized device that uses fingertip vibration patterns to probe cortical function and utilize it's complexity to gain more sensitive and specific detection of compromised neural function. The design integrates 50+ years of neuroscience research and over a decade of technology development. The Brain Gauge is controlled by an easy to install software application that guides the user through a series of questions that increase in difficulty with each correct answer (similar to reading an eye chart).

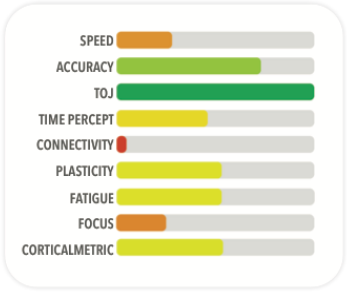
DAY 1 POST - CONCUSSION



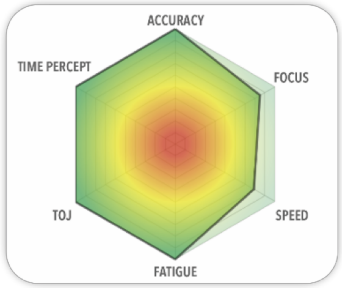


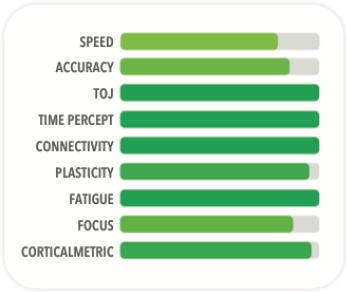
DAY 6 POST - CONCUSSION





DAY 14 POST - CONCUSSION

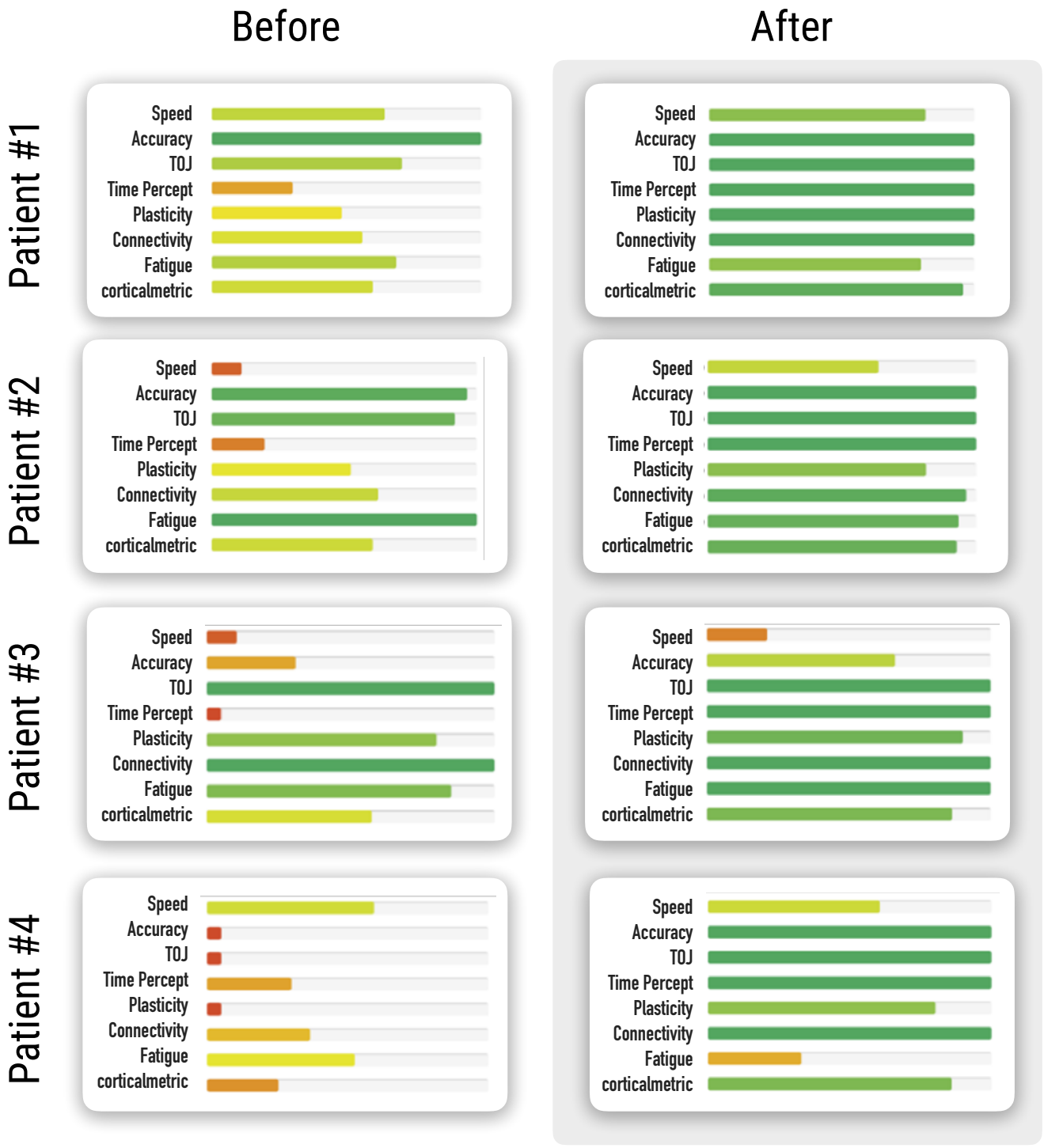




There are numerous applications of this technology, and they range from tracking recovery after sports concussion (such as the example shown above), research applications (currently being used to measure brain function in a wide range of neurological disorders such as autism, ADHD, OCD, Tourette's, diabetics, pharmacological insult, migraineurs, TBI and multiple types of chronic and acute pain), for evaluating treatment efficacy of a wide range of interventions (PEMF, pharmacological, anatomical, TMS, tDCS) and for evaluating results of "home-initiated" experiments (e.g., impact of caffeine, alcohol, cough syrup, supplements, etc.). The Brain Gauge was designed to evaluate brain health – not any specific neurological disorder.

How do you use the Brain Gauge?

The Brain Gauge is compatible with any Mac/PC/Chromebook with a USB port. During testing, the user is asked numerous questions about the vibrations they feel: "Which was stronger?", "Which was longer?", "Which came first?". Testing is simple and intuitive, most tests can be self-administered. After the user has completed testing, results are displayed in 6 different categories: Speed, Focus, Accuracy, Plasticity, Sensitivity, and Connectivity; and an overall metric we call your corticalmetric. The user-friendly interface provides easy to interpret results; green bars indicate normal performance and red, orange and yellow bars indicate different levels of cognitive impairment. (See the examples on the next page from four different clinicians and their patients)



The Brain Gauge MD is a FDA-listed class II medical device for monitoring and measuring cognitive function. Other models of the Brain Gauge are designed for the individual who wants to experiment with supplements, habits, or brain training to conduct their own research utilizing the same scientific principles as the Brain Gauge MD. The Brain Gauge is not a diagnostic device and does not treat, cure or diagnose any diseases.

Academic partnership: Cortical Metrics, the developer and distributor of the Brain Gauge, was co-founded by two faculty members of the medical school at the University of North Carolina and is an R & D company that specializes in neuroscience investigations and developing technologies for the assessment of brain health.

Additional information (including 50+ publications utilizing or validating the technology) can be found at www.corticalmetrics.com. Send questions to info@corticalmetrics.com.