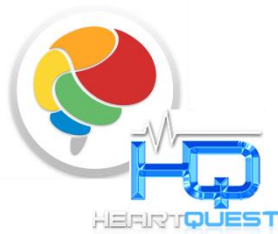


The Brain Gauge: HeartQuest's approach to tracking brain fitness

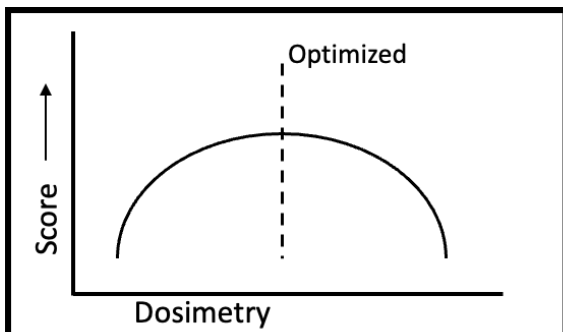


The Brain Gauge is a system that a rapidly growing number of health care providers have been using. It can measure and track brain function both

objectively and quantitatively and is very sensitive to changes in neurological status.

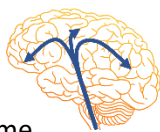
Optimizing brain function – dose

response and tuning curves. Tracking brain function objectively provides valuable feedback and helps optimize dose response. Most brain health assessment tools rely on self-report and are inaccurate. Measures with the Brain Gauge are quantitative and objective. Too much of a good thing (or dosage) can lead to sub-optimal brain performance (graph below) – i.e., it's important to measure!



How does the Brain Gauge work?

Vibrations are delivered to the fingertips through a computer mouse-sized device (the Brain Gauge) and these vibrations cause specific areas in the brain to become active. The interactions between brain areas are used to probe brain function with simple questions delivered by an app; stimulus patterns delivered to fingertips are complex but the answers to the questions for the individual are simple. Results of the tests are scaled and presented to the user in an intuitive manner that provides an indication of overall brain health.



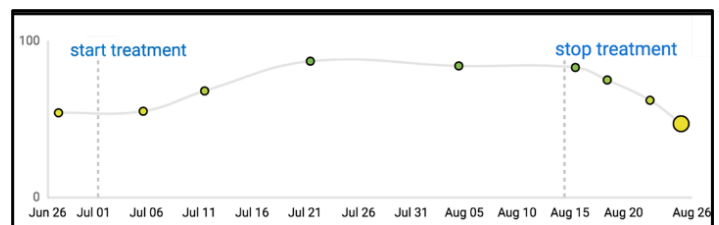
How accurate is the Brain Gauge? One metric that most brain testing and training platforms rely on is reaction time. Because of circuitry *in* the Brain Gauge, it is between 100x and 1000x more accurate than other systems. Watch the video about reaction time [here](#).



Complex science made easy. The Brain Gauge is a state-of-the-art tool that has been made easy-to-use. This neurofunctional assessment tool provides objective and quantitative metrics that target multiple aspects of information processing, and the metrics are translated into an intuitive, easy-to-understand format.



Above: results in easy-to-interpret format. Scores improve from left to right in parallel with patient recovery. Treatment efficacy can be easily monitored by observing the patient's history (e.g., plot of overall assessment of another patient score below).



What has Brain Gauge been used for?

The Brain Gauge is agnostic in that it can be used for *any* neurological situation, which differs from most tools that specialize in specific disorders. Brain Gauge has been successfully used in multiple clinical areas:

- Concussion/TBI
- Developmental disorders (autism, ADHD, OCD)
- Behavioral disorders (stress, anxiety, depression, insomnia, PTSD)
- Degenerative disorders (Parkinson's, aging, diabetes)
- Pain (migraine, fibromyalgia, VVS, CTS)
- Pharmacological dosage & insult (drugs, substance abuse)
- **Brain training** (analog to physical therapy)

Interested? Find out more at:

www.corticalmetrics.com/hqpro

Email info@corticalmetrics.com

[Introductory video](#)

[Brain Gauge Youtube Channel](#)

Personal consult sessions scheduled at:

<https://calendly.com/marktommerdahl>