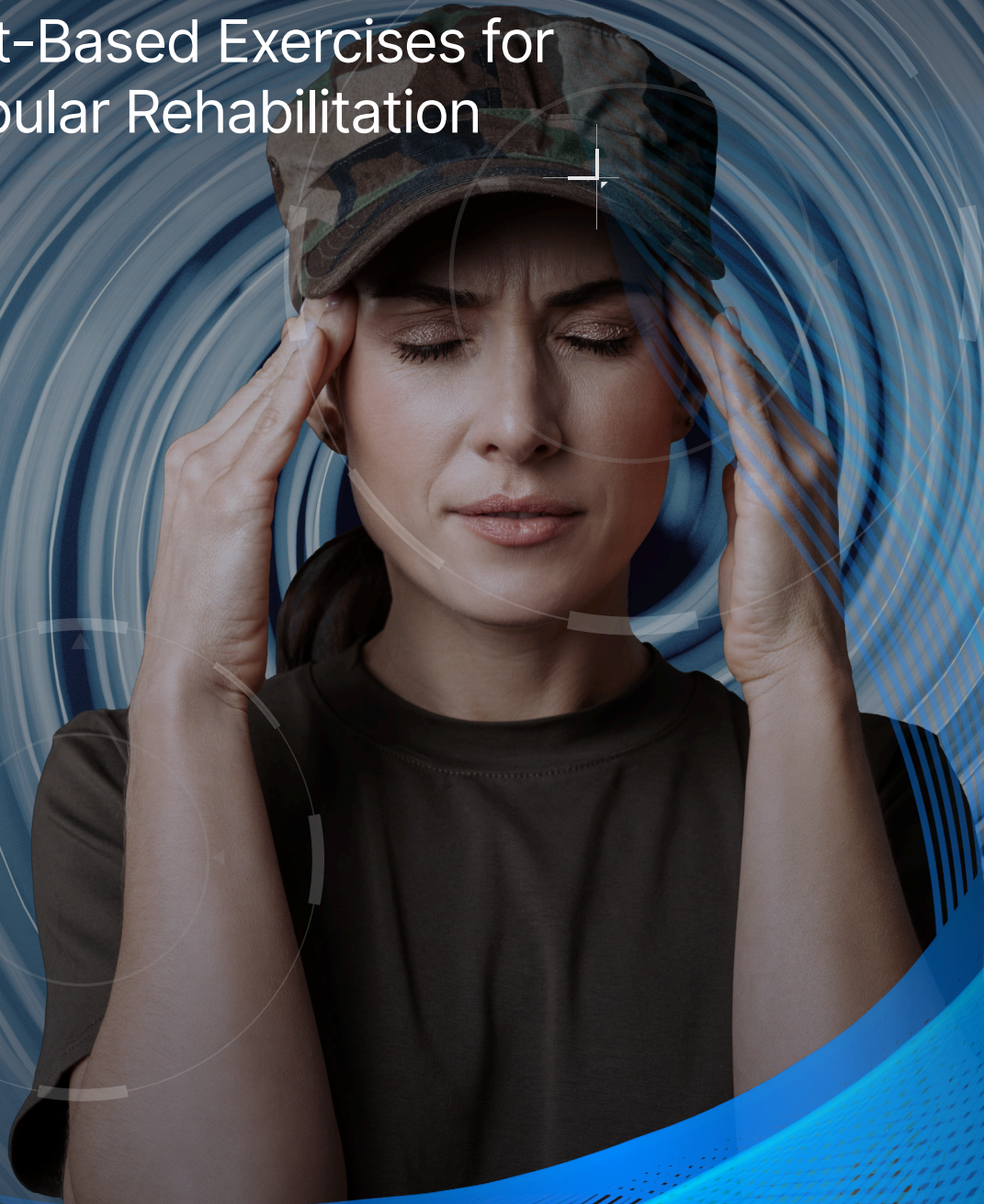
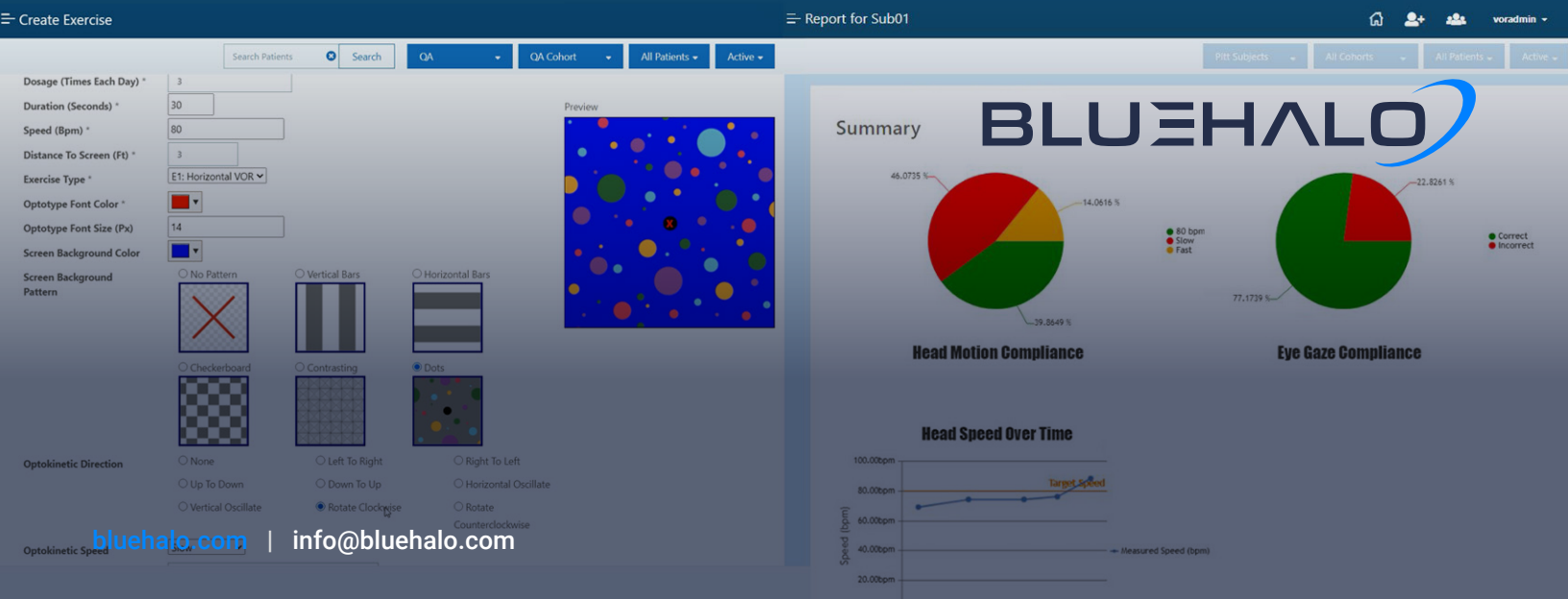




VestAid

Tablet-Based Exercises for
Vestibular Rehabilitation





VestAid

Vestibular Rehabilitation Anywhere



Vestibular rehabilitation therapy is an exercise-based approach aimed at promoting gaze stability, diminishing symptoms, and improving balance and walking in patients with mild traumatic brain injury (mTBI). A major component of these exercises is adaptation of the vestibulo-ocular reflex (VORx1) and habituation training.

VestAid is an innovative, tablet-based system that helps educate patients on how to perform and monitors patient compliance in performing VORx1 exercises at home or in the clinic. It provides physical therapists (PTs) with explainable metrics they can use to inform therapy.

Exercise Configuration

Using a web-based portal, the PT inputs exercise parameters such as suggested dosage, direction and speed of head movement, optotype shape and type, and contrast with background.

Exercise Performance

Video instructions on the tablet help patients recall how to perform the VORx1 exercises and how to set them up. A metronome guides head speed during the exercises.

For More Information

info@bluehalo.com | bluehalo.com

DISCLAIMER: Vestaid is intended for monitoring and encouraging compliance by patients to prescribed vestibular therapy. Vestaid is not intended for the diagnosis, treatment, cure, mitigation, or prevention of any disease or medical condition. Vestaid is an in-development product that is undergoing revisions and is not intended for non-research purposes at this time.

Performance Data

VestAid uses the tablet's camera to automatically assess patient performance & compliance with exercise parameters. The system provides PTs with near real-time, objective (head speed and gaze fixation compliance) and subjective (self-reported perceived difficulty and exercise symptoms) metrics. Patients receive immediate compliance feedback after each exercise, and PTs receive detailed data in the web portal.

Patient Engagement & Motivation

To help motivate patients to perform exercises at home, they receive credits for compliant performance that can be spent in an engaging car-racing game. In addition to being a fun reward, the car racing game exposes patients to visual backgrounds that can serve as a form of habituation.

