AUGUST 2023

Vielight News

Accelerating photobiomodulation.

ILLUMINATING VICTORY: VIE-SPORTS

We are honored to announce the launch of our **Vie-Sports** division!

Over the years, our organic growth in sports was driven by interest in our proprietary photobiomodulation technology, which induces measurable improvements in cognitive ability, physical performance, immune effects and viral recovery.

Beyond that, preliminary research data with our technology suggests improvements for concussions and CTE, which ties into major contact sports like football, boxing and UFC.

Our devices are used by world champions to everyday athletes.

Learn more about Vie-Sports: https://sports.vielight.com

Newsletter Highlights

VIELIGHT

AUGUST 2023

VIELIGHT SPOTLIGHT

Angelica Delgado, a 2x Judo Olympian and Team USA's highest ranked athlete uses the Vielight Neuro Duo and Vielight MIP in her routine.

She finds that brain and systemic photobiomodulation with the Vielight Neuro Duo and Vielight MIP helps with her morning fog and dramatically speeds up her recovery process.

Watch her unsponsored testimonial here: https://www.youtube.com/watch?v=qfar3Yu0DQE

TBI WEBINAR

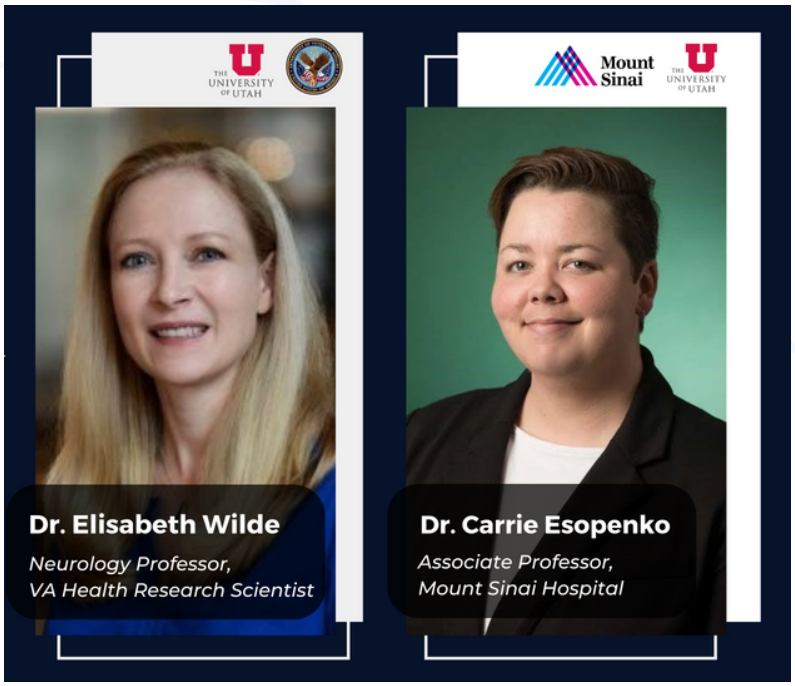
Dr. Elisabeth Wilde (Neurologist, US Veterans Affairs & U. of Utah) and Dr. Carrie Esopenko (Neurologist, Mount Sinai Hospital) presented preliminary data with our Neuro Gamma technology.

Data was shared from these studies:

- n=49 TBI study ex-football players
- n=43 Motor Control study.

Abstract of the TBI study: **Link**

A shortened version of the webinar will be available later.



QUALITY OVER QUANTITY

We're sometimes asked, why not incorporate more LEDs? Over a decade, we've learnt that they're not necessary, as shown by the continued research lead in number of published studies and outcomes with our Neuro technology. Light energy disperses and scatters through tissue, naturally widening the footprint. Additionally, good device design would enable repositioning on any cortical location. From a biophysics perspective, the quality and power density (mW/cm2) of NIR LEDs are important, not the quantity. Optimized brain photobiomodulation devices maximize contact of the LEDs with the scalp, emit negligible heat and generate power densities between 75-150 mW/cm2 to maximize penetration of NIR energy between 810-1064nm.