

OCTOBER 2023

Vielight News

Accelerating photobiomodulation.



FEATURED IN

WSJ THE WALL STREET JOURNAL

"MRI scans showed improved functional connectivity and oxygenation in specific networks in the brain."

VIELIGHT FEATURED IN THE WALLSTREET JOURNAL

This week, the Wall Street Journal featured Vielight Inc. as a leader of brain performance in the field of neurotech, with a story that touched on the applications for photobiomodulation among elite athletes and its potential for broader health benefits.

One of the world's leading researchers in the field, Dr. Margaret Naeser, a researcher at Boston University School of Medicine and Boston VA Medical Center, provided background for the article, using Vielight neurotechnology in her study for TBI and CTE.

She cites how Photobiomodulation works through cell components known as mitochondria— Dr. Naesar further explained that "red or near-infrared light at specific wavelengths can increase blood flow to the brain and help repair damaged cells."

As neurotech research and innovation continues to advance, photobiomodulation (PBM) using infrared light shines through as a promising solution for performance and neurodegeneration.

Read the coverage here: [Link here](#)

Newsletter Highlights

The Wallstreet Journal

Vielight Spotlight:
Dr. Margaret Naeser

Apollo Health Partnership

Surface Power Density


VIELIGHT



VIELIGHT SPOTLIGHT

Dr. Margaret Naeser is a research professor of Neurology at Boston University School of Medicine and Research Linguist/Speech-Language Pathologist, V.A. Boston Healthcare System.

Dr. Naeser has published multiple TBI and CTE studies using Vielight Neuro technology on US Army Veterans and ex-pro football players. She also co-authored our first Alzheimer's disease pilot study.

Watch an interview with her here: [Link](#)

APOLLO HEALTH PARTNERSHIP

We are honored to partner with [Apollo Health](#) to support participants of the [Bredesen Protocol](#)® with the Vielight Neuro.

Apollo Health offers programs to help participants prevent and reverse cognitive decline with the Bredesen Protocol, based upon the findings of [Dr. Dale Bredesen, MD](#), a prominent Alzheimer's Disease researcher and internationally recognized expert in the mechanisms of neurodegenerative disease.

Watch a webinar interview between Dr. Dale Bredesen and Dr. Lew Lim here: [Link](#)

Learn more about the Apollo Health platform and partnership here: [Link](#)



DR. DALE
BREDESEN



DR. LEW
LIM



THE IMPORTANCE OF POWER DENSITY

Surface power density or irradiance (mW/cm^2) is the 2nd most important variable besides wavelength for photobiomodulation.

Surface power density refers to the concentration of energy landed on your body, factoring in protective lenses and distance.

Higher power densities are used when the goal is deeper tissue penetration or more intense tissue interaction.