NOCTEM

Digital Sleep Management for Health and Performance Optimization

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Founded

- 2018

Indications

- Digital behavioral and sleep health
- Digital sleep therapeutics
- Sleep and fatigue management
- Performance Optimization

Key Features

- Clinical decision support platform and algorithms
- Remote sleep management
- Mobile apps for convenient and secure data collection
- Wi-Fi independence

Products (TRL)

- COAST™ (TRL7)
- AIRE™ (TRL 3)

Intellectual Property

- Copyright
- Trademark
- Trade secrets

Financial Highlights

- $3M+ non-dilutive funding
- $120K+ private investments
- Commercial sales in FY21Q1

Company Focus

Digital Sleep Therapeutics
Autonomous sleep and behavioral health monitoring and management

Needs Addressed

NOCTEM™ aims to optimize sleep and behavioral health in operational and clinical settings to enhance readiness and performance and minimize preventable injuries. We aim to upskill non-specialists and scale sleep and behavioral management capabilities productively and sustainably.

Technology

The company develops and validates user-centered software solutions to monitor, detect, and manage acute and chronic sleep and circadian disorders and behavioral health remotely with an unprecedented level of scalability. To do so, we combine deep expertise in sleep and circadian science, behavioral medicine, digital health technology, and advanced machine learning to upskill healthcare providers and multiply their capabilities and productivity in behavioral sleep medicine.

NOCTEM's Clinician Operated Assistive Sleep Technology (COAST™) is a clinical decision support software to diagnose and manage behavioral sleep disorder using recommended treatments in real time, and with a high degree of personalization.

NOCTEM's AI for Sleep Optimization in Remote Environments (AIRE™) is an autonomous protype designed to offer medic- and warrior-centric apps to monitor and optimize individual and unit behavioral and sleep health, including acute stress reactions, in far-forward environments. AIRE supports disaggregated units who have limited access to communications or behavioral health/sleep personnel.

Uniqueness

We have internationally recognized leaders in military sleep science and behavioral medicine and have a deep understanding of how to successfully integrate technology into clinical and operational workflows. We have successfully deployed our solutions in MTFs. We have an extensive network in the sleep research and military medicine community. We are building a data corpus and product that will expand into prescribed digital therapeutics and direct-to-consumer offerings. We have experience in big data and advanced machine learning /AI for clinical and operational applications.

Management Team

Anne Germain, Ph.D. CEO is a world renowned expert in sleep research and medicine with 25 years of experience and leadership in the field. She has published over 170 papers and chapters, served on multiple national and international scientific and advisory boards, and has held multiple leadership roles in the American Academy of Sleep Medicine and Sleep Research Society, and chaired the SLEEP meeting program committee from 2018 to 2020. Dustin Riley CTO is an expert in online and mobile solutions including EMR. Wayan Pulantara, Ph.D., Senior Data Scientist, is an expert in digital health tech and machine learning. Mara McFadden, COO has experience in medical device product launch.

Advisor and Directors

US Army Col (Ret.) Vince Mysliwiec, MD, leader in military and veterans sleep medicine; Frederic Francis, serial entrepreneur in healthcare AI, medical device, and software; Gary Kaplan, attorney at law with expertise in IP, tech transfer, healthcare regulations.