

A wearable telemedicine-driven anti-inflammatory electroceutical and biofeedback health coaching system to disrupt chronic illness and pain management

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Abstract

There is a growing worldwide epidemic of chronic pain and chronic illness^{1,2}. Increasing evidence points to low-grade systemic inflammation, oxidative stress, and associated metabolic changes as major drivers of a variety of chronic illness and pain states^{3,4,5}. Lifestyle choices are major determinants of the “biology of chronic pain and illness. The robust “back end” manages communication between the patient’s app and the clinician’s office. It provides two-way telemedicine that allows clinicians to receive subjective and sensor data to inform treatment decisions, and allows the clinician to adjust/optimize electroceutical and health coaching interventions.

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Biography

Andrew David Shiller, MD is board certified in Physical Medicine and Rehabilitation after completing a double residency at Harvard Medical School. With a degree in mechanical engineering from MIT, Dr Shiller has a natural proclivity to innovating technological solutions for difficult problems. He has been practicing integrative pain

management and rehabilitation medicine for 25 years, while doing advanced training in osteopathic manual medicine, mind-body medicine, and functional medicine. and its value in therapeutic and patient evaluation. He is an advocate of the use of technologies in the medical field and modifying old patterns that are collapsing with the advancement of these techniques and (ABPM), is one of them with a wonderful future.