

Patient-Centric Pain Relief Breakthrough Technology of the Year 2022 (USA): AVACEN®

Based in Carlsbad, CA, AVACEN® (Advanced Vascular Circulation Enhancement) Medical improves microcirculation and gives full-body pain relief in as little as 15 minutes. Diseases and health conditions are complex, and can take an overwhelming grip on our lives, but with AVACEN Medical, users can find relief and even comfort noninvasively, often without the use of any drugs. This award-winning company has caught our eye for its innovative use of thermotherapy technology, and now is the time to take a closer look.

"Pain Relief from the Palm of Your Hand."

Founded in 2009, AVACEN Medical utilizes pioneering technology to deliver noninvasive, drug-free, over-the-counter medical devices that help users manage pain stemming from a variety of health conditions. With over 8,000 devices field tested and sold, AVACEN Medical has rapidly become a giant within its realm.

Its technology is being used globally and has provided over 20 million treatments thus far. Technology inventor and AVACEN Chairman, Thomas G. Muehlbauer tells us, "Our customers include both retail users for home-based devices, as well as professional users including physicians, chiropractors, osteopaths, podiatrists and naturopaths among other specialties." By working efficiently and creatively, this new technology has proven to be popular within the medical sphere – ensuring we all have noninvasive treatment alternatives, often without the need for invasive surgery or pharmaceuticals in general.

The AVACEN® "single point treatment" system is a patented, FDA Cleared Class II medical device that couples negative pressure with heat therapy to increase microcirculation into a unique vascular network – all from the palm of your hand. The single point of treatment operates quickly and effectively to slightly raise blood temperature throughout the entire body, dilating capillaries while decreasing blood viscosity.

By addressing microcirculation, AVACEN Medical has found a way to temporarily alleviate pain without going under the knife. Its methods are capable of relieving pain after 20-to-30-minute treatment sessions, and its thermotherapy is much different versus using heat alone.

With regards to the most recent developments, AVACEN President and CEO Anthony Shimkin shares, "AVACEN Medical launched three new products over the last few months, including our third-generation technology for home users (AVACEN HOME XL) and professional users (AVACEN PRO+). The Company also launched a new Cardiac & Stress Screening (CSS) device - an accelerated plethysmography device designed to quickly assess arterial health and heart rate variability in as little as one minute."

As a manufacturer, AVACEN Medical has 17 U.S. and international patents backing its developments. AVACEN Medical has produced some of the most innovative and life-altering pieces of technology, creating opportunities for people to live more fulfilling lives.

AVACEN Medical has changed the lives of countless people who suffer with conditions where chronic pain is a huge side effect and symptom. Anthony informs us, "Chronic pain is considered by many to be an epidemic. In the U.S., up to 116 million are impacted, more than diabetes, heart disease and cancer combined, with over 30% of people suffering globally."

"Our devices are a viable alternative to opioid medication to treat pain. There is a significant amount of legislation designed to control opioid use. In the U.S. alone, 143 million opioid prescriptions were written in 2020, with up to 100,000 deaths per year related to misuse. The Company is consistently looking at noninvasive, drug-free approaches to solve health issues."

AVACEN Medical's USP or unique sales proposition is that its internal culture involves innovation, accountability, and a customer-focused outlook – helping AVACEN Medical to build a strong reputation and sturdy relationship with customers from around the globe. Its team is dedicated, adaptable, and brimming with positivity, ensuring each step of the job gets done correctly and with passion at the forefront.

Informing us of AVACEN Medical's plans to improve the future, Anthony shares, "AVACEN is looking into new applications for our technology and devices, in areas such as maintaining normal body temperature (or normothermia). We are also investigating how our technology could be used to treat other conditions, like improving wound healing times."

Researching microcirculation has been a game changer for AVACEN Medical, and the devices it has created. Anthony updates us, "The topic of microcirculation is rarely highlighted, but is so important to understand related to epidemiology. For instance, in wound healing, the skin's microcirculation is reduced by 40% between the ages of 20 to 70 years old (Tsuchida Y., 1993)." Although AVACEN Medical's thermotherapy devices are FDA Cleared for pain relief due to a variety of causes like arthritis, impaired microcirculation in general is tied to a variety of different diseases. The Company has completed several feasibility studies in new disease areas and plans to continue to investigate where its technology can noninvasively treat different ailments.

Now that AVACEN Medical has won the Patient-Centric Pain Relief Breakthrough Technology of the Year 2022 (USA) award, it will continue to gain even more recognition around the world. We are excited to have had the opportunity to present its work to you, and we are looking forward to seeing what it does next with regards to new applications for its ground-breaking technology and devices.

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