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Contact:

Elinor Jackson
Arobella Medical
612-205-0176
ejackson@arobella.com

Diane Rose
Rose Communications
612-922-0433
dianerose15@comcast.net

Arobella Medical, LLC Launches Qoustic Wound Therapy System™

Product focuses ultrasound debridement to gently clean and help heal chronic wounds

Minneapolis, MN (February 11, 2008) – Arobella Medical, LLC, today announced that it has launched the Qoustic Wound Therapy System™, which advances the use of low-frequency cavitation ultrasound for wound care. The product offers a safe, cost-effective alternative to painful sharps debridement and other surgical modalities. The Qoustic Wound Therapy System assists healing by gently removing dead or diseased tissue cells and bacteria, leaving healthy and pre-healing granulation tissue intact. It is also useful in preparing the wound bed for other therapies, such as grafts and flaps.

Low-frequency ultrasound debridement is emerging as a preferred method of care for many types of wounds, including pressure ulcers, diabetic ulcers, infected wounds, burns and other chronic wounds. Five to seven million people each year in the United States require treatment for chronic wounds resulting from ulcers, sores, burns, fistulas and other conditions. A significant number of the people with chronic wounds have diabetes, and rapid growth of the diabetic population is increasing the need for advanced wound care.

“The Qoustic Wound Therapy System debrides by deploying focused ultrasound energy directly on the wound bed, notably improving the effectiveness of debridement versus sharps debridement alone. The use of ultrasound helps preserve healthy tissue and protects newly formed granulation tissue, while being gentle and efficient,” said Eliaz Babaev, PhD, president and CEO of Arobella Medical. “The system has the potential to significantly advance patient care and health care worker safety, as well as reduce costs.”

The Qoustic Wound Therapy System removes harmful bacteria and biofilm and improves wound bed circulation. The system’s unique, dome-shaped Qoustic Qurette™ vibrates at 35 kHz, converting electrical energy to ultrasound waves and focusing them intensively on the wound. Sterile saline solution transfers the ultrasonic

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energy to the wound, where tiny vibrating gas bubbles and cellular-level fluid movement separate dead and harmful cells from healthy tissue. As a result, dead and harmful cells are fragmented and destroyed, thus aiding in their easy removal with the edge of the Qoustic Qurette.

The Qoustic Wound Therapy System is portable and can be used in many health care settings – including the bedside – by certified wound care specialists, including physicians, registered nurses, nurse practitioners, physician assistants, physical therapists and podiatrists. The system reduces splash and aerosolization. It can reduce wound care costs in several ways: fast setup, no required disposables, short procedure times, effective procedures that reduce debridement frequency, efficient use of saline and fast cleanup. The system has FDA 510(k) clearance and uses established reimbursement codes for selective and non-selective surgical debridement and active wound care management.

“Of the ultrasonic wound care devices on the market, I am most impressed by the Qoustic Wound Therapy System, particularly its ease of use and controlled debridement of wounds,” said Dr. Jeffrey A. Niezgoda, MD, medical director of Hyperbaric and Wound Care Associates in Milwaukee. “The system allows me to remove diseased tissue while protecting healthy tissue.”

Benefits of Ultrasound for Wound Care

When electrical energy is converted to mechanical motion, sound pressure waves are created. These ultrasound waves can have thermal and/or physical effects in tissue. Low-frequency ultrasound has been shown to have cellular-level physical effects, known as cavitation and microstreaming, that can promote healing. Cavitation is the formation and oscillation of microscopic bubbles, which expand and collapse as they resonate with the ultrasound frequency. Acoustic microstreaming is the physical force of sound pressure waves that can displace small molecules and move fluids along and/or through cell membranes. Together, these effects alter cellular activity and protein synthesis, both of which are critical in repairing tissue damage. Scientific studies have demonstrated that ultrasound debridement is a convenient and effective wound care technique.

About Arobella Medical, LLC

Arobella Medical, LLC is Minneapolis-based medical device company specializing in low-frequency ultrasound for wound care and other wound management therapies. Arobella Medical, LLC is positioned to become a leader in advanced ultrasound wound care technologies and devices. Arobella Medical, LLC co-founder and CEO Eliaz Babaev has more than 45 years of experience developing, designing and commercializing medical devices that use ultrasound. For more information, go to www.arobella.com.

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Note: Journalists may request a product photo by contacting Diane Rose at 612-922-0433 or dianerose15@comcast.net.