



# New Paradigm in Low Frequency Low Intensity Therapeutic Ultrasound

- Hands-free, portable ultrasound diathermy patch for localized pain therapy
- Provide improvement in local blood circulation
- Anywhere & anytime – at home or in clinical setting, at work or even while you sleep

# PAIN SHIELD™

**The NanoVibronix PainShield system** is a comprehensive pain management solution for localized, musculoskeletal and soft tissue pain. PainShield utilizes ultrasound therapy directed to the point where the patient is experiencing pain. It is effective in treating pain from joints, tendons, ligaments or muscles.

The PainShield system is a novel, patch based therapeutic device that generates an ultrasound diathermy effect to treat pain, muscles spasm and joint contractures. PainShield is the first hands free, portable, patch based diathermy device, thus allowing for an entirely new dimension in ultrasound treatment of pain.

There is growing interest in the use of medical devices for pain management due to increased reports of complications related to NSAIDs and other pain medications.

Conventional ultrasound diathermy requires large stationary devices and the transducers used need application by a therapist. This ultrasound treatment requires that the patient be transported to the hospital or outpatient clinic where treatment can be applied. This limits access to that therapeutic modality thereby decreasing the overall frequency of therapy.



The PainShield addresses all of these limitations. The portable patch based device may be used for repeated treatment sessions, at the doctor's office or at home, without the need for medical personnel to apply it and without any side effects.



Targeted slow release ultrasound - PainShield uniquely generates and delivers localized, low frequency, low intensity therapeutic ultrasound via a self adhering patch. Experience with PainShield has led to a wide range of applications including reduction of acute and chronic pain. PainShield may be used immediately post-injury and post-op. Patient benefits include its ease of application and use, high compliance, safety, and effectiveness.

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