



MedX Health's Rehab and Sports Medicine Photobiomodulation Therapy Systems

- Reduce pain and inflammation
- Stimulate soft and hard tissue repair
- Improved clinical outcomes + happy patients = increased referrals + augmented practice revenue



Photobiomodulation ("PBM") Therapy is also known as Low Level Light/Laser Therapy, Cold Laser Therapy, or Photostimulation. The North American Association of Laser Therapy's ("NAALT") definition of PBM Therapy, is "the use of light therapy that utilizes non-ionizing forms of light sources, including Light Amplification by Stimulated Emission of Radiation ("LASERS"), Light Emitting Diodes ("LEDs"), and broad-band light, in the visible and infrared spectrum."

It is a non-thermal process involving the absorption of light energy to elicit photophysical and photochemical events within the body. This process results in beneficial therapeutic outcomes including, but not limited to, the alleviation of pain or inflammation, immunomodulation, tissue regeneration and promotion of wound healing.

The effectiveness of PBM Therapy has been verified by thousands of clinical trials and lab studies, and published in many leading peer-reviewed medical journals. Based on the literature, PBM Therapy is a proven, safe, drug-free solution that can improve patient outcomes in a variety of rehabilitation applications.

PBM stimulates the body's natural repair response (ATP) to enhance soft tissue and osteoblasts for bone tissue. PBM also has been shown to decrease pain, swelling and inflammation, alleviate muscle spasms, and protect tissue that has been injured or is degenerating. Healthcare professionals such as physicians, chiropractors, physiotherapists, athletic therapists, and massage therapists, are better able to deliver positive results for their patients with PBM.

MedX Rehab Console

The compact MedX Console has three accessory ports to provide the flexibility to use either laser or SLD combinations in continuous or pulsed mode. The console also offers the flexibility of using 3 SLD clusters. Built-in guidelines prompt you through the selection of protocols, then automatically calculate and display dosage and treatment times. Alternatively, treatment protocols can also be quickly programmed in manual mode, allowing for easy set-up.

Once activated, the console displays the time and energy delivered for each port separately, and automatically turns itself off once treatment is completed. For each patient you can treat up to three sites at the same time.

MedX console powers and controls a 450 mW Rehab Handheld Infrared Laser and 2 hands-free 1000mW visible red and infrared SLD clusters. Alternatively, three SLD clusters can be used in the console when the laser has been removed. One benefit of the laser is a more directed, deeper penetration of energy, while the SLD clusters provide more even distribution of photon energy and positive systemic effects.



MEDX CONSOLE ACCESSORIES

Rehab Handheld Tethered Laser

The MedX handheld tethered laser is an ergonomically designed accessory that is powered by the MedX Console. The Class IIIb laser provides 450 mW of power with 3 GaAlAs laser diodes and a visible guide light.

The hand-held laser is programmed through the console. This allows the faster, deeper penetrating laser to be activated and reactivated to treat multiple locations, while the SLD clusters are delivering the programmed dose for a more effective treatment protocol.

SLD Cluster



The larger area SLD cluster provides a combination of predominantly infrared (870 nm) with visible red (633nm) energy. The SLD cluster covers a large surface area of 22.48 cm², or approximately 3.48 square inches. The broader area and even distribution of photon energy increases local circulation and lymphatics as well as promotes greater systemic effects.

The two SLD clusters can be attached with Velcro straps for hands-free application, allowing for unattended treatment. Alternatively, the clinician can utilize the laser simultaneously. Once treatment has been completed the clusters emit an audible sound and automatically turn off.

MedX Rehab Portable Laser

The MedX Rehab Portable Laser provides a total power of 450 mW of infrared energy that utilizes three 150 mW, 808nm GaAlAs laser diodes, plus a visible blue guide LED. Automatic, timed cycles with audible feedback of energy delivered, make treatments simple and effective. The rechargeable Lithium-Ion battery lasts all day, making it ideal for in-clinic or off-site treatments.

MedX's rugged, light-weight, convenient yet powerful device allows you the freedom to administer treatment quickly and easily anywhere. Scientific evidence supports early treatment that can significantly improve treatment outcomes.

Two pairs of laser safety goggles are provided, and includes a carrying case and the MedX Rehab Treatment Manual.

For healthcare professionals it is an inexpensive entry into the laser market because it doesn't require significant capital investment, and enables the clinician to achieve positive clinical outcomes.

MedX Rehab Treatment Manual

The MedX Treatment Manual illustrates comprehensive protocols for a wide range of medical and rehabilitation conditions. This enables the healthcare professional to seamlessly incorporate the MedX Rehabilitation devices into their practice to more effectively treat patients.

MedX^{HOME} Unit



The light-weight and user-friendly MedX^{HOME} console has pre-programmed protocols, and can have up to five different treatment protocols programmed manually. The console powers and controls the same 1000 mW SLD Cluster as the professional rehab console unit. The SLD cluster combines near infrared (870nm) and red visible (633nm) superluminous diodes. The MedX^{HOME} unit can offer additional treatment flexibility in the clinic, or can be rented or sold to patients for an at-home treatment choice. The unit comes in a practical carrying case with supporting educational documentation.

The MedX^{HOME} can provide an alternative treatment option for patients who have difficulty coming in for consistent treatment, or who have to travel great distances. Protocols can be programmed by the healthcare professional and self-administered by the patient in the convenience of their own home. There is an additional feature that allows the health care professional to set the number of treatment days the device will function, thereby ensuring the patient and device return to the clinic for follow-up.

For patients who purchase the MedX^{HOME} unit, alternatively as new medical conditions develop, the device will require reprogramming, which helps to maintain the patient / clinician relationship.

Patient rentals provide another source of a revenue stream to the health care professional without using valuable therapy time in the clinic. The MedX^{HOME} can pay for itself within a few months of first renting the device to patients.



FOR MORE INFORMATION:
1. 888. 363. 3112 (US/Cda only)
1. 905. 670. 4428
info@medxhealth.com
www.medxhealth.com

All of MedX Health Corp's rehab products have FDA and Health Canada clearance.