

## Overview of MLS Laser Therapy

Conventional laser therapy has been in use for more than 25 years. More than 3,000 scientific publications test its effectiveness and the validity of this approach. It has been demonstrated that it is not toxic and it has no side effects. Today, it is used as a monotherapy or as a complementary therapy. Until now, the challenge with Laser Therapy has been its inability to treat deep-seeded pathologies, since it is used with low to medium power. We are pleased to provide practitioner with the most advanced technology available today to leverage the benefits associated with laser therapy: MLS Therapy.

MLS Therapy is a new therapy for treating pain, inflammation, and edema and even for repairing superficial lesions. It was developed to overcome the limits of traditional Laser therapy, based on the use of diode lasers. Currently, no diode laser is able to induce strong anti-inflammatory, anti-edema and analgesic effects simultaneously and within a short period of time. Continuous laser emissions act fast on inflammation, stimulating blood and lymphatic circulation and inducing fast re-absorption of fluid build-ups; however, they only have a secondary effect on pain, which is diminished after reducing the inflammatory process. Pulsed laser emissions, on the other hand, have an immediate effect on pain, since they are able to produce analgesia, interfering with their very transmission of the pain impulse to the higher brain centers, but they are less effective at treating inflammation and edema, only achieving results after a long period of application. MLS Therapy is able to overcome the limits imposed by selecting one of the two emission types, since it is based on the characteristic therapeutic properties of a new laser pulse. It uses an MLS pulse, which combines and synchronizes emission of continuous and pulsed laser emissions with different infrared wavelengths. The patented control system that generates the MLS pulse synchronizes the two emissions.

Thanks to this characteristic synchronization, the various therapeutic effects – anti-inflammatory and anti-edema of the continuous emission and analgesic of the pulsed emission – not only take place at the same time but reciprocally reinforce each other. Because of this, MLS therapy is able to guarantee effectiveness and short treatment times when treating numerous osteo-muscular system diseases and when repairing superficial lesions.