

Frequently Asked Questions: “MLS Laser Therapy”

—What are the most common indications for therapy?

The most common MLS Therapy indications are pain relief, intervertebral disc disease, degenerative joint disease, arthritic conditions, muscular/skeletal system trauma, joint pain and inflammatory conditions. It is cleared by the FDA and is also patented via the US Patent Office.

—What wavelengths are used in the MLS therapy?

MLS therapy uses both the 808nm and 905nm wavelengths *simultaneously*. The 808nm wavelength is delivered using continuous emission while the 905nm wavelength is delivered using pulsed emission.

—Why are two overlapping wavelengths used?

MLS Therapy uses two wavelengths to overcome the limits of traditional Laser Therapy.

Traditional Laser therapy does not deliver **both wave lengths** in a reinforcing and **synchronized** fashion, thus safely achieving greater penetration depth.

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 a practically immediate effect on pain, since they are able to induce analgesia, interfering with the very transmission of the pain impulse to the higher brain centers, but they are less effective at treating inflammation and edema.

—What's the advantage of MLS over traditional low level lasers? (LLLT “Class III”) or (CW HP “High Power”)?

MLS Therapy is able to induce strong anti-inflammatory, anti-edema, and analgesic effects simultaneously and within a short period of time. High power continuous wave “CW HP” cannot achieve these results because of the limitations of using one or two wavelengths that are not synchronized, they also run the risk of thermal damage to the tissue and cannot work at the max power the manufacturer declares without causing damage. LLLT applies very low power so it is limited to surface biostimulation. The patented control system that generates the MLS pulse synchronizes the emissions to achieve results previously unattainable. Thanks to this characteristic synchronization, the various therapeutic effects not only take place at the same time but reciprocally reinforce each other.

—What is MLS?

MLS Stands for “*Multiwave Locked System*.” MLS is the name of the technology used that utilizes the patented combination of wavelengths. The 2 wavelengths work together, much like a symphony to deliver superior, deeper penetrating results.

—Are Cutting Edge MLS Therapy Lasers “Class IV” lasers?

Yes, the M6 is a class IV laser with a peak power of 25 watts (905nm) *pulsed wave* & 1watt (808nm) *continuous wave*.

—What is the depth of penetration of the MLS laser?

The depth of penetration varies but it is safe to assume that it will penetrate 4-5 cm in most cases.

—How many treatments are usually needed to get results?

Results can often be seen after the first treatment. Most conditions have protocols that range from 12-24 treatments. The treatments are cumulative and are delivered 2-3 times per week for 4-8 weeks.

—What is the cost of each treatment?

The treatments can range from \$60 to \$120 per treatment. Most commonly MLS laser therapy is provided in a package of care to achieve the best long-term results and patient satisfaction.

—How was MLS Therapy developed and tested?

MLS Therapy has been developed and tested following a strict course of biomedical and clinical research. The effectiveness of the combination of the emissions making up the MLS pulse was initially tested in vitro on cellular cultures, then in vivo on animals, and finally by means of controlled clinical trials run by major state-of-the-art health organizations for treating traumatic and degenerative painful diseases.

