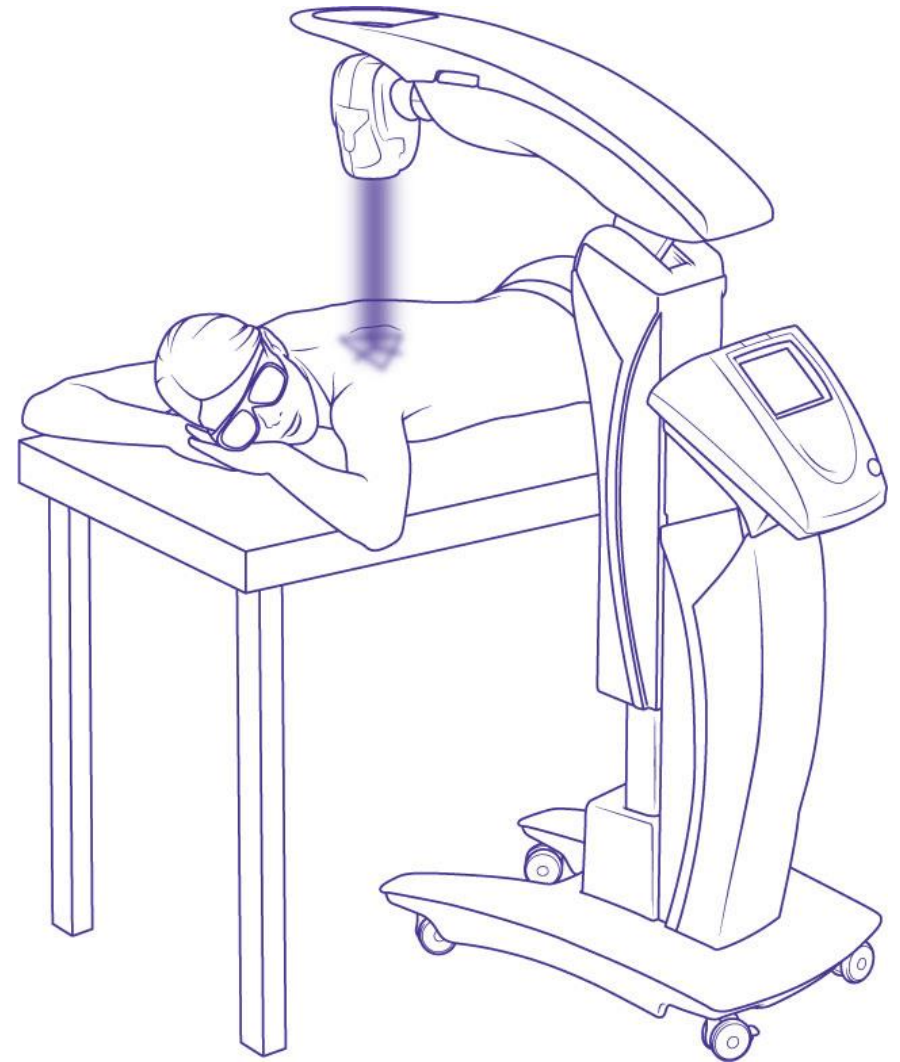


MLS® Laser

Better Medicine. Better Results.



Background on Lasers

Laser Classes

Class I – mild, supermarket scanner

Class II – always visible, laser pointers, occasional therapy lasers

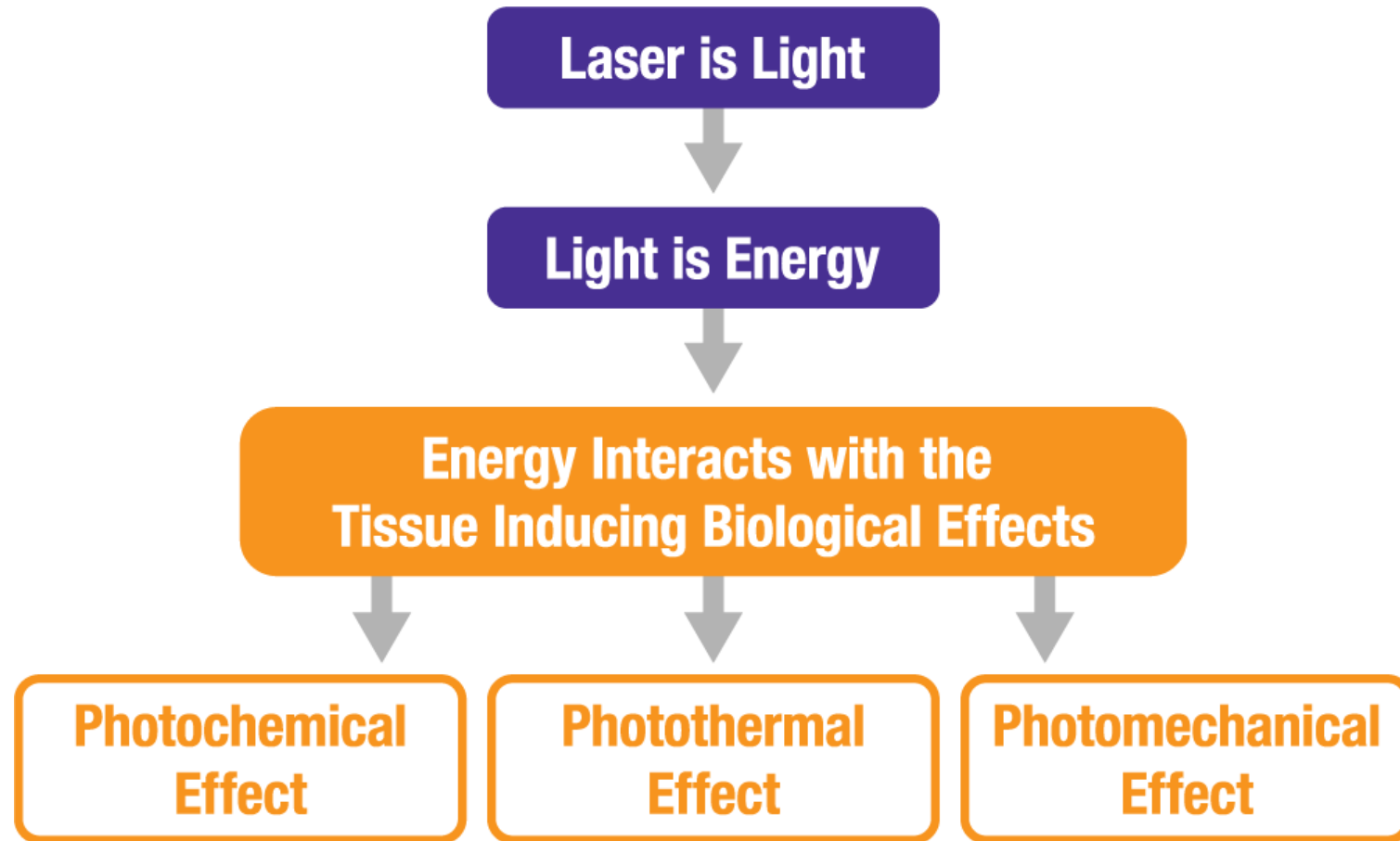
Class IIIA – visible light, therapy lasers

Class IIIB – invisible light, therapy lasers




Class IV – MLS laser, surgical lasers, industrial cutting lasers

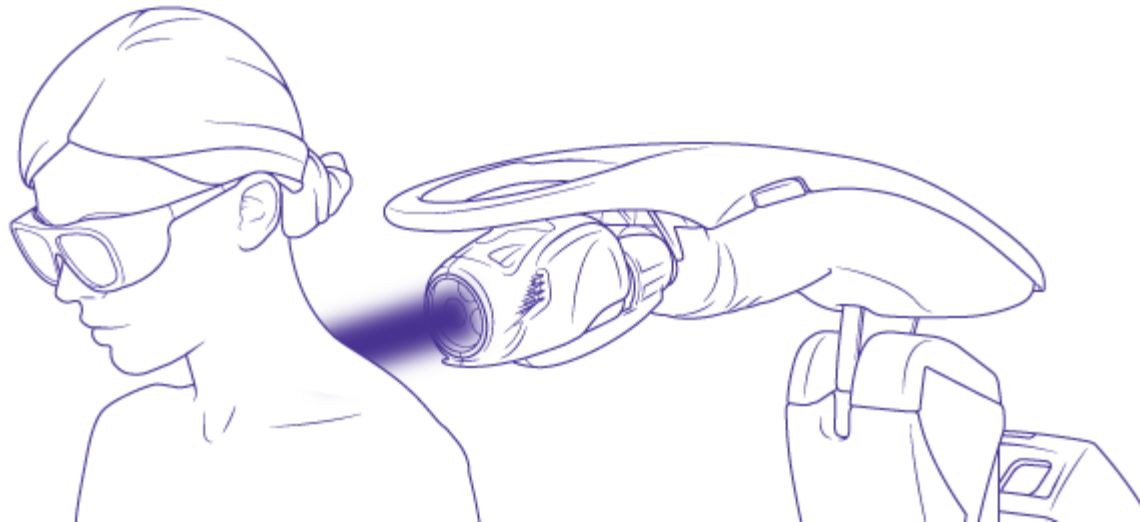
 Laser Therapy was cleared by the FDA in 2002

How Does Laser Therapy Work?



How Does Laser Therapy Work?

-  Excites mitochondria in the cell to produce ATP
 -  Laser light brings blood flow to the area
 -  Increased blood flow brings oxygen and promotes healing
- Blocks pain signals to the brain



What is MLS Laser?

Multiwave Locked System

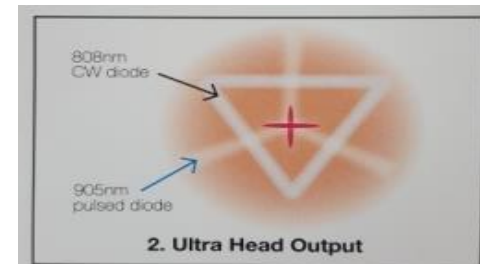
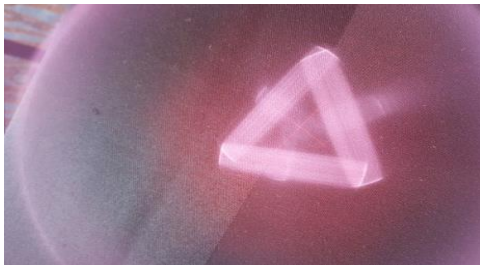
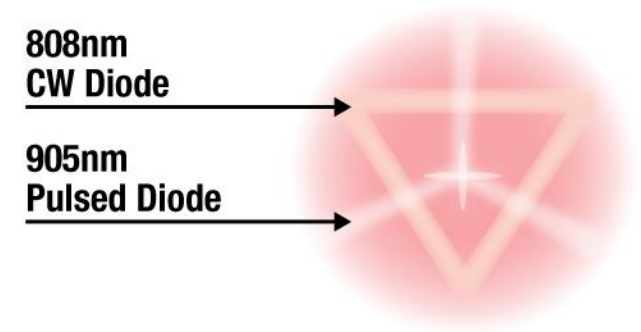
- Treats pain, inflammation and arthritis

Features 2 Wavelengths

- 808 nm – Inflammation and long-lasting effect
- 905nm – Analgesic and fast acting

Together they are very effective, and both are infrared

- Invisible to the naked eye
- Can be seen with a camera or infrared sensor card



Clinically Proven MLS Approach



The Approach

Dual wavelengths with the same absorption characteristics means all the energy reaches the same target depth.

MLS penetrates 3 to 5 cm deep.



What's Unique

Deployment of both wavelengths at the same time in the patented, proprietary pulse pattern.

Deploying this patented pulse pattern along the exact same treatment axis.

All the energy hits the same target tissue at the same depth at the same time.

Components of MLS Laser Therapy

 **Wavelength** – Where it falls on the electromagnetic spectrum

- Infrared 808 nm and 905 nm (Set by manufacturer and cannot be changed)
- These Multiple Waves are Locked in a System

 **Frequency** – Numerical value of pulses per second, measured in hertz (hz)

- 1 – 2000 hz
- Will be set to corresponding patient condition(s)

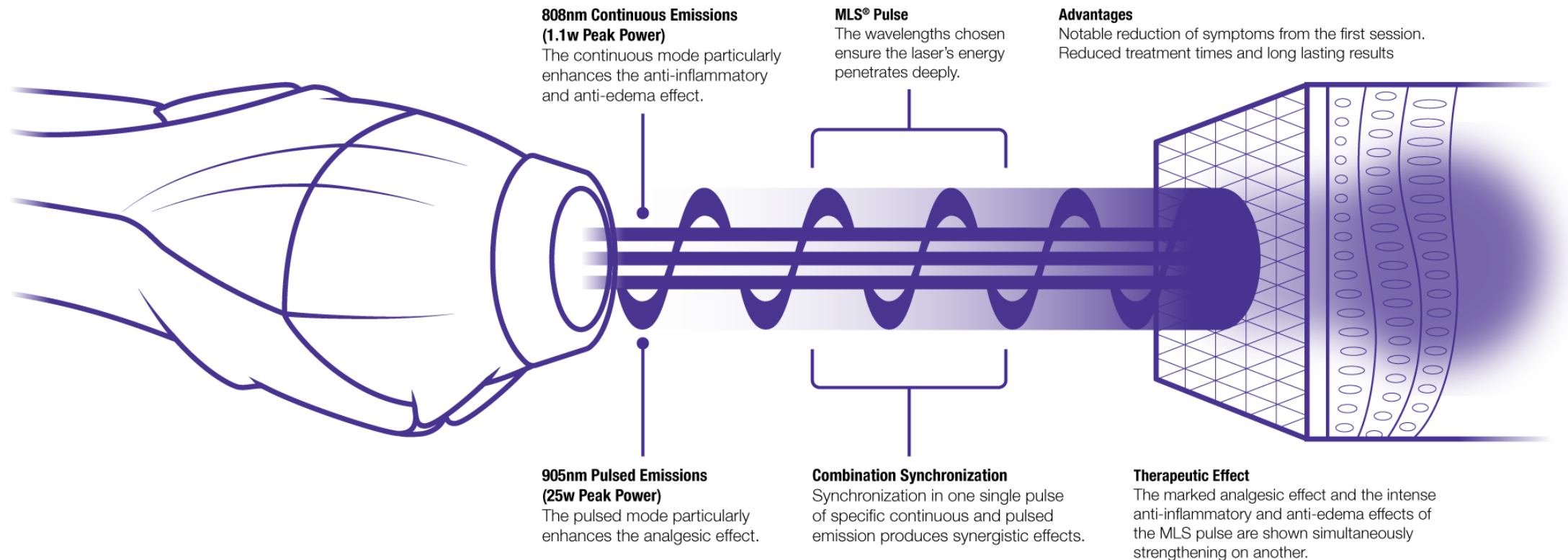
 **Intensity** – Strength of laser, measured in percentage

- Will be set to corresponding patient condition(s)

 **Time** – Minutes: Seconds

- Will be set to corresponding patient condition(s)

Optimum Dose, Optimum Speed, Proven Results



→ Laser travels in a straight line and thus must be perpendicular to the treatment area.

Overall Biological Effects with MLS

Anti-inflammation

Anti-Pain / Analgesic

Accelerated Tissue Repair and Cell Growth

Improved Vascular Activity

Increases Metabolic Activity

Trigger Points and Acupuncture Points

Reduced Fibrous Tissue Formation

Improved Nerve Function

Immunoregulation

Faster Wound Healing

Common Conditions Treated with MLS

Arthritis & Bursitis

Backache, Sciatica

Rotator Cuff Tendonitis

Peripheral Diabetic Neuropathy

Neck & Shoulder injuries

Repetitive motion injuries

Hip, knee, lumbar pain

Achilles Tendonitis

Sprains and Strains

Plantar Fasciitis





Epicondylitis

Sports injuries

Wounds



What to Expect with MLS

-  Laser therapy treatment is cumulative in effectiveness, building off previous treatments (like an antibiotic treatment)
-  Acute conditions are usually 6 treatment package
-  Chronic conditions are usually 10 to 12 treatment package
-  Laser takes about 10 minutes on average and patient won't feel any discomfort



Treatment Intervals

Optimal timing is for treatments to be 48 hours apart

Improvement is often seen after 3 to 5 treatments

- If there is no improvement after 5 treatments, reassess the diagnosis.
- Ensure provider gives explicit direction to technician using laser, including treatment area.

Most treatments consist of 2 to 3 treatments per week.

- Monday-Wednesday-Friday or Tuesday-Thursday

Chronic conditions usually require more treatments overall

How can MLS Laser Therapy help patients?



MLS Laser Therapy is

- Non-invasive
- An alternative to addictive pain medications
- An alternative to surgery, in some cases

MLS Laser Therapy is based upon a provider's diagnosis and should be followed specifically



Traditionally, laser therapy is not covered by insurance

Post-Laser Treatment



One affect MLS has is vasodilation. Avoid ice for at least 8 hours.

No Downtime

Recommend normal daily functioning as tolerated.

