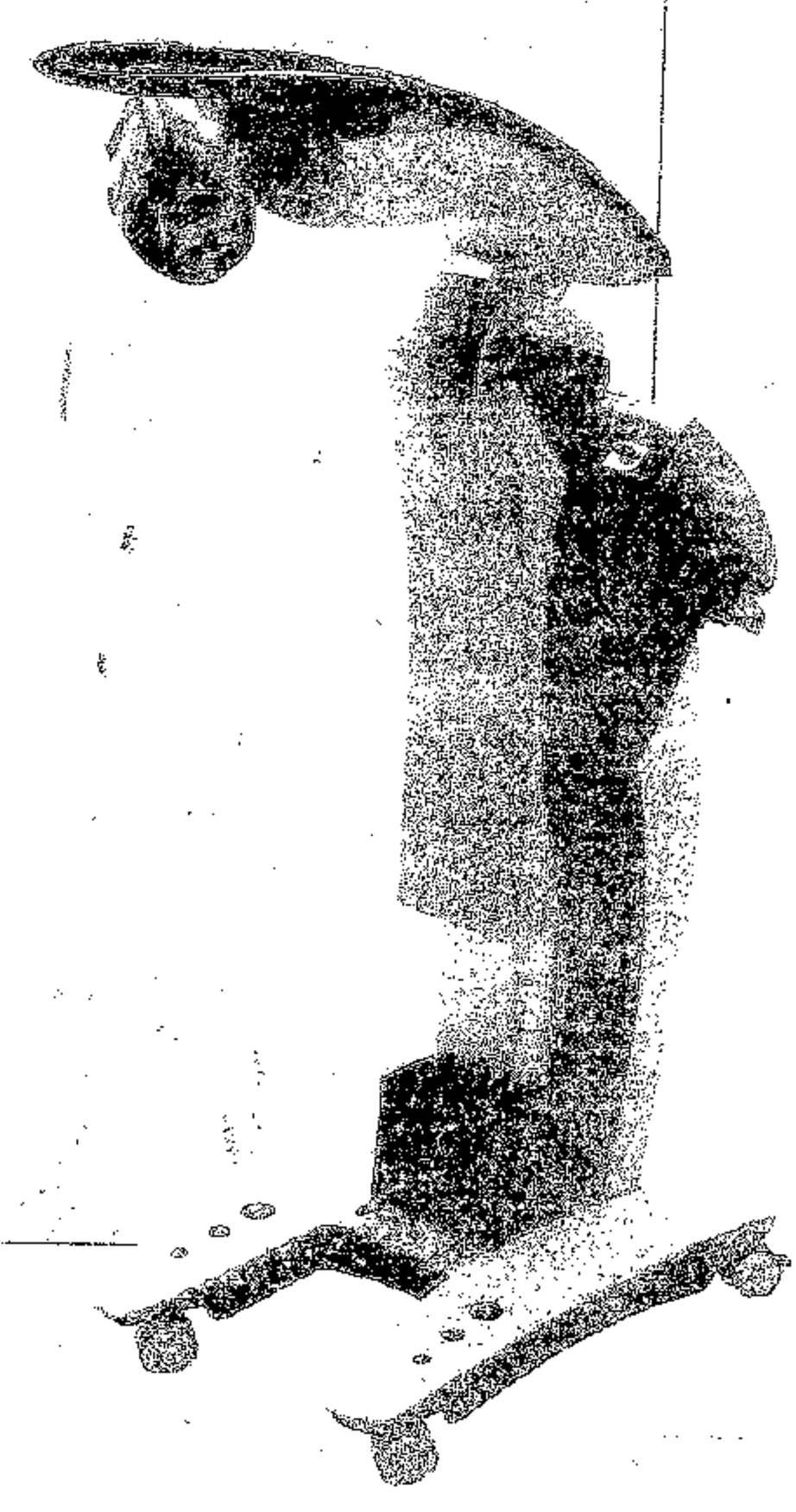
MLS Laser Therapy
Staff Talking Points

Cutting Edge Laser Technologies





What is MLS?

- MLS stands for Multi-Wave Locked System. The MLS Therapy Laser treats pain, inflammation and arthritis.
- The MLS Laser is a Class IV Laser and uses multiple synchronized diodes.
- It features 2 wavelengths; 808 nanometers and 905 nanometers. The wavelengths are in the infrared spectrum. They are invisible to the eye, but can be seen using a cell phone camera.
- The 808 wavelength is for inflammation, and is long lasting. The 905 wavelength is analgesic and is fast acting. Together, they are very effective.
- The MLS wavelengths combine and synchronize the 808nm and 905nm in a unique and proprietary way. The MLS wave form is patented.
- There are over 3,000 studies performed in the last three decades that validate the efficacy of laser therapy. Laser therapy was cleared by the FDA in 2002 and is currently being used by a variety of medical specialties, as well as professional sports teams, including the Dallas Cowboys and Cleveland Cavaliers.
- The laser can penetrate 3-4 cm deep and generates no heat. There are no known harmful effects.

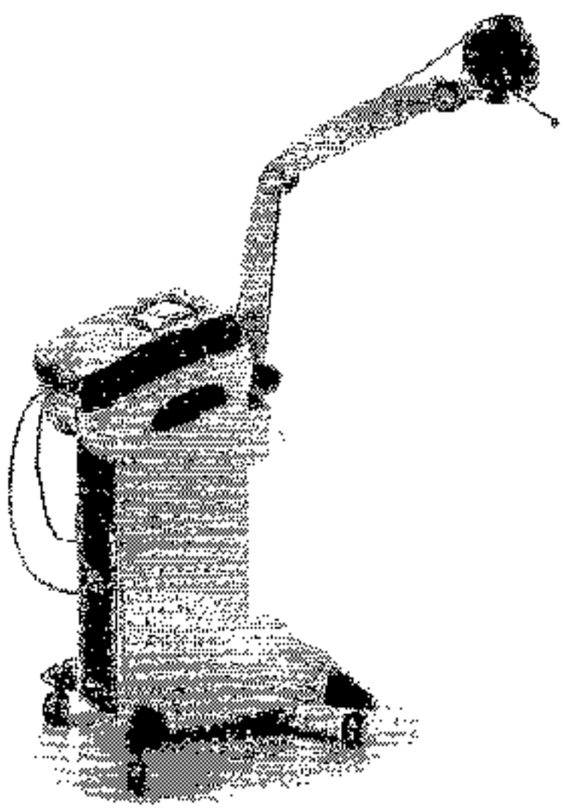
How Do Lasers Work?

- Laser energy stimulates cells to remove toxins, like histamine and cytokine, out of cells.
- They allow oxygen and food loads into the cell.
- They block the pain signals to the nociceptors in the brain, and release endorphins and encephalin.
- Laser light increases ATP production and cell growth. It brings blood flow to the area and increases angiogenesis of capillaries.
- MLS Laser Therapy can actually decrease healing time by 30-40%.
- In fractures, it will increase osteoblast production within the first 10 days only.
- In a nutshell, the MLS Laser stimulates the mitochondria in cells to jump start the body's own healing process.
- Like an antibiotic, each treatment is cumulative in its effectiveness, building off the previous treatments.
- Acute patients will need 6 treatments every other day for 2 weeks. Chronic patients will need 10 treatments every other day for 3 weeks.

CUTTING EDGE
LASER TECHNOLOGIES

CUTTING EDGE
LASER TECHNOLOGIES

10 Benefits of MLS® Laser Therapy



1. **Anti-Inflammatory:** MLS Laser Therapy has an anti-edema effect as it causes vasodilation, but also because it activates the lymphatic drainage system which drains swollen areas. As a result, there is a reduction in swelling caused by bruising or inflammation.

2. **Analgesic:** MLS Laser Therapy has a beneficial effect on nerve cells. It blocks pain transmitted by these cells to the brain which decreases nerve sensitivity. Also, due to decreased inflammation, there is less edema and less pain. Another pain blocking mechanism involves the production of high levels of pain killing chemicals such as endorphins and enkephalin from the brain and adrenal glands.

3. **Accelerated Tissue Repair and Cell Growth:** Photons of light from lasers penetrate deeply into tissue and accelerate cellular reproduction and growth. The laser light increases the energy available to the cell so that the cell can take on nutrients faster and get rid of waste products. As a result of exposure to laser light, damaged cells are repaired faster.

4. **Improved Vascular Activity:** Laser light will significantly increase the formation of new capillaries in damaged tissue which speeds up the healing process, closes wounds quickly and reduces scar tissue. Additional benefits include acceleration of angiogenesis, which causes temporary vasodilation and increases the diameter of blood vessels.

5. **Increases Metabolic Activity:** MLS Laser Therapy creates higher outputs of specific enzymes, greater oxygen and food particle loads for blood cells.

6. **Trigger Points and Acupuncture Points:** MLS Laser Therapy stimulates muscle trigger points and acupuncture points on a noninvasive basis providing musculoskeletal pain relief.

7. **Reduced Fibrous Tissue Formation:** MLS Laser Therapy reduces the formation of scar tissue following tissue damage from cuts, scratches, burns or surgery.

8. **Improved Nerve Function:** Slow recovery of nerve functions in damaged tissue can result in numbness and impaired limbs. Laser light speeds the process of nerve cell reconnection and increase the amplitude of action potentials to optimize muscle healing.

9. **Immunoregulation:** Laser light has a direct effect on immunity status by stimulating immunoglobulins and lymphocytes. Laser emissions are absorbed by chromophores (molecule enzymes) that react to laser light. Upon exposure to the laser, the enzyme flavomononucleotide is activated and starts the production of ATP (adenosine-triphosphate), which is the major carrier of cell energy and the energy source for all chemical reactions in the cells.

10. **Faster Wound Healing:** Laser light stimulates fibroblast development in damaged tissue. Fibroblasts are the building blocks of collagen, which is the essential protein required to replace old tissue or to repair tissue injuries. As a result, MLS Laser Therapy is effective post surgically and in the treatment of open wounds and burns.

Benefits of MLS Laser Therapy

Rapid pain relief
Strong anti-inflammatory effect
Improved blood flow and lymphatic drainage
Non-invasive treatments
No known negative side effects
Minimize use of unnecessary drugs or shots

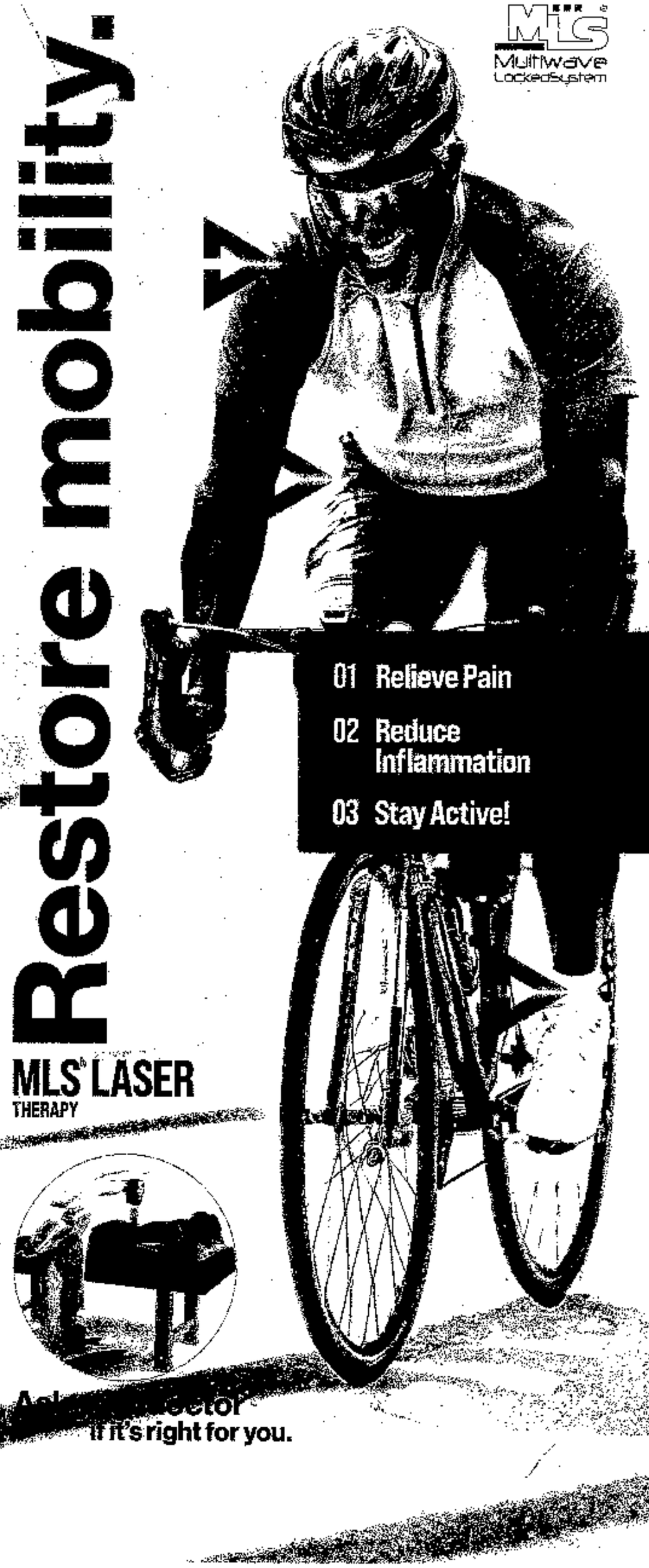
MLS Laser Therapy manages pain and inflammation associated with:

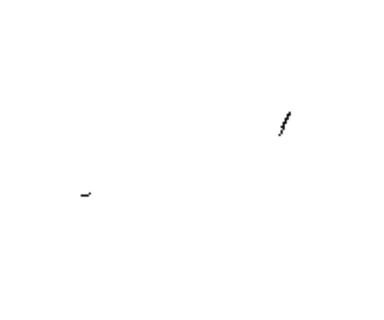
Acute Injuries
Arthritis & Bursitis
Back & Neck Pain
Musculoskeletal Disorders
Neuropathy
Occupational & Sports Injuries
Plantar Fasciitis
Post-Surgical Recovery
Sprains & Strains
Tendon & Ligament Injuries
Wound Healing

06052024

Restore mobility.

MLS® LASER THERAPY





Ask your doctor if it's right for you.

Restore Mobility | MLS® Laser Therapy for Chronic and Acute Pain

MANAGE PAIN • REDUCE INFLAMMATION

Multiwave Locked System® (MLS) Laser Therapy is an innovative approach that uses concentrated light energy to stimulate the body's natural healing processes. By using specific wavelengths of light, the patented laser energy delivery system helps the body simultaneously manage pain, improve blood flow, and decrease inflammation for a wide range of painful conditions. MLS Laser Therapy is safe, painless, noninvasive, cleared by the FDA, and backed by decades of research around the world.

What should I expect?

Most patients with pain, inflammation, or arthritis report significant pain relief following MLS Laser Therapy treatments. Whether you have neck or back pain, rotator cuff, carpal tunnel syndrome, aching knees, Achilles tendonitis, plantar fasciitis, sciatica, or any other musculoskeletal pain, you are likely to benefit from MLS Laser Therapy.

The effects are cumulative. You can expect to see improvements as you proceed through your treatment plan. In order to achieve expected results, it is critical to complete the course of treatment recommended by your doctor.

In addition to the rapid relief of pain and inflammation, treatments are painless with short treatment times and have no known negative side effects!

What does treatment feel like?

MLS Laser Therapy treatments are painless. Most patients report that they do not feel anything during treatment. You may feel a slight warming sensation at the treatment site, which is normal and is an indication that your body is responding properly and alleviating inflammation. Through years of research and development, the MLS Laser was designed to manage painful conditions without discomfort or excessive heat.



Are the effects long lasting?

For most patients, the answer is YES. While each person and their condition is unique, many patients receive tremendous long-term relief from their pain and inflammation after completing their recommended treatment plan.

Some patients may require occasional supportive treatments to maintain their positive outcomes. The frequency of these treatments will be determined by you and your doctor.

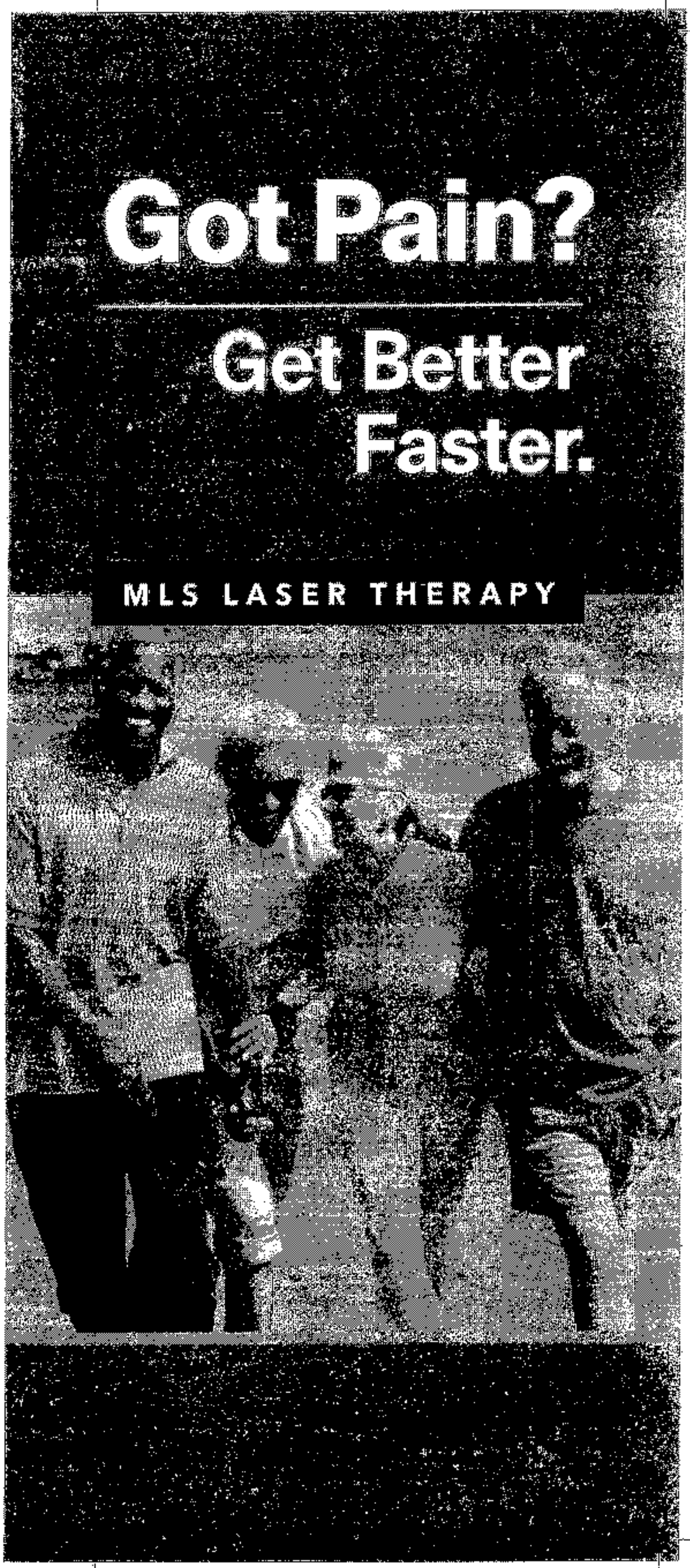
MLS®
Multiwave
LockedSystem

Benefits of MLS Laser Therapy

- Non-Surgical Treatment
- No Known Side Effects
- Drug Free
- Rapid Results

MLS Laser Therapy treats the pain and inflammation associated with —

Sciatica
Neck and Back Injuries
Spinal Stenosis
Herniated Disc
Arthritis and Bursitis
Spondylosis
Sprains and Strains
Work/Sports Injuries
Disc Degeneration
Knee Conditions
Plantar Fasciitis
Neuropathy
Tennis/Golf Elbow
... and more



Manage Pain. Reduce Inflammation. Restore Mobility.

With MLS Laser Therapy for Chronic and Acute Pain.

WHAT IS MLS® LASER THERAPY?



The FDA- cleared MLS Therapy Laser uses concentrated light energy to stimulate the body's own healing process to minimize pain, inflammation and arthritis and reduce recovery times so you can return to a pain-free life. By using specific wavelengths and a patented delivery system, MLS Laser Therapy can speed up the process of relieving inflammation and pain associated with many conditions, including arthritis. The MLS Therapy Laser has a unique pain-relieving effect, which can be dramatic. Many patients feel significantly better in just a few treatments.

WILL MLS LASER THERAPY WORK FOR ME?

For 85-90% of patients with musculoskeletal pain, inflammation or arthritis, the answer is "Yes!" Most patients with pain, inflammation or arthritis report significant pain relief from MLS Laser Therapy treatments. Whether you have sciatica, arthritis, herniated or degenerative discs, shoulder and neck pain, aching knees, spinal stenosis, or any other musculoskeletal pain, you are likely to benefit from MLS Laser Therapy. As a matter of fact, many patients who were scheduled for surgery were able to delay or cancel their surgery because MLS Laser Therapy alleviated their condition and reduced or eliminated their pain.

WILL IT HURT?

That's a great question. Through years of research and development, the MLS Laser was designed to treat conditions without an excessive thermal effect, often felt as heat. Most people report that they do not feel anything during the treatments. Occasionally, you may feel a slight warming sensation at the treatment site, which is normal and is an indication that the inflammation is being relieved and that your body is responding properly.



IS THE EFFECT LONG LASTING?

For most patients the answer is "Yes". While each person and each condition varies, many patients receive tremendous relief from their pain and inflammation when they go through a series of MLS Laser Therapy treatments. While most patients may not need additional treatments in the future, some conditions, like arthritis, are degenerative. The great thing about MLS Laser Therapy for arthritic patients is that once you feel better, you can be more active and it is this increased activity that helps minimize the long term effects of arthritis. Even so, you may need an occasional single MLS treatment every 4 to 6 weeks over the course of the year just to hold the inflammation at bay and keep the arthritic pain in check.

Cuando un estado físico o lesión afecta a la movilidad o la calidad de vida, hay un objetivo: un rápido retorno a las actividades cotidianas. La terapia con láser MLS ha sido aprobado por la FDA y probado éxito como lo demuestran los estudios amplios y creíbles a cabo en las mejores instituciones de nuestro país incluyendo la Universidad de Harvard.

Beneficios de la Terapia con Láser MLS

El tratamiento no quirúrgico
No hay efectos secundarios negativos
Resultados rápidos
Acelera de proceso de cicatrización

La terapia con láser MLS se usa para tratar la —

Dolor de Artritis y Bursitis
Tendinitis de Aquiles
Fascitis Plantar
Neuropatía
Neuroma
Cicatrización De Heridas
Lesiones Deportivas y Ocupacionales
Post-quirúrgica Inflamación
Los Esguinces y Distensiones
Hematoma
Síndrome del Túnel Tarsal
... y mucho más



La Terapia con Láser MLS®

Alivia el dolor. Reduce la inflamación. Incrementa la movilidad.

¿QUÉ ES LA TERAPIA LÁSER?



Terapia láser es el uso de longitudes de onda específicas de la luz para tratar las condiciones dolorosas y debilitantes.

¿CÓMO FUNCIONA?

La energía luminosa entra en las células dañadas y estimula la actividad intracelular. Esto reduce el dolor en el área y acelera la recuperación de las células dañadas. Una vez que las células se recuperan, el proceso de cicatrización es completo.

¿QUÉ PUEDO ESPERAR DURANTE UN TRATAMIENTO?

La mayoría de los pacientes no reportan sensación alguna mientras reciben tratamiento.

Los tratamientos tienen un promedio de 8 minutos. MLS Terapia de Láser es de acción rápida. Muchos pacientes que sufren de dolor agudo después de asistir a uno o dos tratamientos experimentan gran alivio.

¿QUÉ PUEDO ESPERAR DESPUÉS DEL TRATAMIENTO?

La Terapia con Láser MLS es de acción rápida; muchos de los pacientes que padecen de un dolor agudo después de asistir a uno o dos tratamientos sienten un gran alivio.

Más del 90% de los pacientes experimentan resultados positivos después del tercer tratamiento. Se recomienda de 7 a 10 sesiones y en la mayoría de casos por el tercero o cuarto tratamiento, la hinchazón se reduce y el paciente siente un gran alivio. Los efectos de la Terapia Láser MLS son acumulativos, por lo tanto, se espera ver una mejoría a medida que avance el Plan de Tratamiento. Las enfermedades crónicas se pueden controlar con tratamientos regulares. Las condiciones agudas por lo general desaparecen con rapidez.



LA TERAPIA CON LÁSER MLS TRATA:

- Lesiones de ligamentos y tendones
- Lesiones de tejidos blandos
- Distensiones y desgarros musculares
- Dolor de músculos y articulaciones
- Condiciones degenerativa de las articulaciones
- Dolor neurológico
- Heridas crónicas que no cicatrizan
- Dolores generales
- Trastornos musculo esqueléticos
- Pre y post-quirúrgicos
- Inflamaciones

BENEFICIOS DE LA TERAPIA CON LÁSER MLS

- Rápido alivio de dolor
- Fuerte efecto anti-inflamatorio
- Curación de los esguinces
- Rápida recuperación dolores
- Rápida resolución de áreas hinchadas
- Inmediata mejoría de la circulación sanguínea
- Rápida reparación de las lesiones superficiales, como heridas y úlceras