High Dose Laser Therapy
Revolutionizing Pain Management

THE BEST NEW PROFIT CENTER IN PHYSICAL MEDICINE & REHABILITATION
TECHNOLOGICAL MEDICAL ADVANCEMENTS, LLC
High Dosage Laser Therapy (HDLT)

**WHAT DOES IT DO?**
High Dosage Laser Therapy (HDLT) from DIOWAVE™ offers a powerful new solution for numerous painful conditions previously refractory to traditional medical care. Laser Therapy is a highly effective alternative to traditional therapies such as cortisone injections and many times even surgery for a wide range of problems.

**FEEL THE DIFFERENCE**
In sharp contrast to “Cold Lasers” (LLLT or Low Level Laser Therapy) which provides no feeling or sensation, patients can feel a profound sense of warmth with each DIOWAVE Laser Therapy™ treatment, as it works to provide penetrating laser light energy deep into the body to reach damaged cells and tissues. Results are typically faster than many other therapeutic modalities. Improvement can often be seen after the first or second treatment.

**SEE THE RESULTS – ALL WITHOUT SIDE-EFFECTS**
Both acute and chronic injuries respond well to the DIOWAVE Laser Therapy™ treatment. Inflammation and swelling are quickly reduced to allow a greater range of motion in the affected area. This helps to regain activity and mobility while reducing scar tissue and adhesions, which can slow recovery and healing.

**Common Conditions Treated**

**Hip PAIN**
- Osteoarthritis
- ITB Syndrome
- Bursitis

**Elbow PAIN**
- Tennis/Golfer’s Elbow
- Overuse/Repetitive strain injuries

**Wrist PAIN**
- Carpal Tunnel Syndrome
- De Quervain’s Tenosynovitis

**Knee PAIN**
- Osteoarthritis
- Jumper’s Knee
- Ligament/Meniscal Injuries

**Shoulder PAIN**
- Rotator Cuff Strain
- Biceps Tendonitis

**Mid back PAIN**
- Postural Strain/Overuse

**Lower Back PAIN**
- Failed Surgical Back Syndrome
- Spinal Stenosis
- Disc bulge/herniation

**Foot & Ankle PAIN**
- Neuropathy
- Heel Pain
- Plantar Fasciitis
- Achilles Tendonitis

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Additional Conditions Treated
- Arthritis (Degenerative Joint Disease)
- Nerve Pain
- Neuropathy (Diabetes & Other Forms)
- Non-healing Wounds
- Pain & Healing Following Surgery
- Trigger Points & Muscle Spasms
- Ulcerations and Open Wounds
**How Does HDLT Work?**

**Anti-Inflammation**
Laser light causes vasodilation, and activates the lymphatic drainage system (drains swollen areas). As a result, there is a reduction in swelling caused by bruising or inflammation and less pressure on pain receptors.

**Anti-Pain (Analgesic)**
Laser light facilitates better transmission of nerve impulses through the stimulation of neurotransmitter cells, reducing and eliminating pain through more effective function of tissue surrounding peripheral nerves and by temporarily suppressing pain receptors.

**Increased Nerve Regeneration and Function**
Slow recovery of nerve functions in damaged tissue can result in numbness and impaired limbs. Laser light will speed up the process of nerve cell reconnection and increase the amplitude of action potentials to optimize muscle action.

**Improved Vascular Activity**
Laser light will significantly increase blood flow to injured tissue as well as the formation of new capillary growth.

**Accelerated Tissue Repair and Cell Growth**
Photons of light from lasers penetrate deeply into tissue and accelerate cellular reproduction and tissue regeneration and growth. Laser light also activates stem cells in the treatment area. This leads to faster wound healing with minimal scar tissue.

**Trigger Point Resolution and Acupuncture Stimulation**
Laser therapy stimulates muscle trigger points and acupuncture points on a non-invasive basis providing musculoskeletal pain relief.
Can Your Practice Afford NOT to

A Message From Scott M. Davis, MD, MA, FASAM
Chief Medical Officer, Diowave Laser Systems

As the Chief Medical Officer for Technological Medical Advancements, I am both proud and pleased to introduce our Class IV Diowave High Dose Laser Systems for neuro-musculoskeletal pain management and wound healing. Diowave lasers represent the next generation in advancing private pay for pain management through a non-invasive drug and pain-free platform.

High Dose Laser Therapy – HDLT now offers physicians and therapists a painless, non-surgical and side effect-free treatment for conditions previously refractive to traditional medical care. Maladies such as head, neck and back pain (acute or chronic) Carpal Tunnel Syndrome, arthritis, hard and soft tissue injuries, tendon and ligament strains, foot and heel pain, non-healing wounds, and even neuropathy to name a few – all respond well to HDLT. HDLT also accelerates wound healing and is an excellent adjunct to accelerating healing post-surgically as it can significantly reduce recovery time over traditional therapies.

Results come from the laser’s ability to “bio-stimulate” tissue growth and repair. This results in accelerated wound healing with a dramatic decrease in pain, inflammation and scar tissue formation. Unlike all other treatment modalities, laser therapy actually “heals” tissue and is a powerful non-addictive form of pain management. Diowave’s superior results come from its ability to deliver healing laser energy to the target tissues at any depths. Simply put – when it comes to traditional neuro-musculoskeletal medicine or wound care, HDLT is outperforming traditional therapy, safely and without side effects.

Another great feature of HDLT is that a therapist or medical assistant can readily administer it. The physician’s time spent in case management is minimal and the income is passive. Bottom line: we can show you how to achieve outcomes far superior to what conventional therapy has to offer your patients while simultaneously containing spiraling medical costs for marginal outcomes.

Have the Diowave Laser System?
Testimonials

I am a Board Certified Family Practitioner doing the full spectrum of outpatient family medicine. Since purchasing the Diowave Laser we have used it on a large variety of clinical pathologies including OA of the shoulder, back, hip and knee as well as extremities, neck and back pain, post herpetic neuralgia and carpal tunnel to name a few. We have found it to be highly effective and well received by our patients.

JAMES E. CHLEBOWSKI, MD
Family Practice Center, PC

As a board certified physician in family and sports medicine we use the Diowave laser to help our athletes recover from injury at a significantly faster rate. Athletic injuries are healing almost 50% faster than with traditional therapy. We are very pleased with our 60-watt laser. We also find it just as helpful in our general patient population as it is clearly superior to the modalities currently available in our traditional physical therapy model.

MICHAEL KELLIS, DO, BRYAN KUCH, PT, MS.
Precision Orthopedic Specialties, Inc.

My quest for better patient care led me to add cold laser therapy to my practice in 2001, but I was disappointed with the poor clinical results. In 2004, I became the first class iv laser user in the US and I immediately found the clinical results I was seeking. Over the years, as the company developed more powerful lasers and I implemented them into my practice, I quickly saw better and faster outcomes – even for the most difficult and challenging conditions. Laser is now the majority income generator in my all cash practice.

KEVIN KHALILI, DC
Santa Barbara Laser Rehab Institute

FAQ

HOW MANY TREATMENTS ARE NEEDED AND IS THE THERAPY SAFE?
The DIOWAVE Laser Therapy™ produces expedient results. For most ACUTE conditions 6-8 treatments is all that is needed. CHRONIC conditions take longer and might require 10 or more sessions. While these are the averages, each person is unique and healing time varies by person and condition. For those with chronic degenerative pathologies maintenance therapy is recommended. Laser Therapy has been in use for over thirty years around the world. There have been almost no side effects reported. Occasionally some old injuries or pain syndromes may feel aggravated for a few days, as the healing response becomes more active after a laser treatment.

HOW LONG WILL THE TREATMENT TAKE AND WILL IT BE PAINFUL?
Depending on the condition, treatment times for this drug-free, non-invasive procedure will last on average 5-10 minutes but is based on the size of area, depth of penetration needed and condition being treated. Most patients notice a warm, often soothing feeling. There is no pain associated with a treatment.

WHAT ADVANTAGE DOES DIOWAVE – HIGH DOSE LASER THERAPY™ HAVE OVER OTHER FORMS OF TREATMENT INCLUDING LOWER POWER CLASS IV LASERS?
DIOWAVE High Dose Laser Therapy does not require the use of drugs or surgery, and there are no dangerous side effects or risks. In addition, DIOWAVE Laser Therapy significantly accelerates treatment outcomes when compared to traditional treatment modalities. This occurs due to its ability to stimulate tissue regeneration. When compared to other Class IV lasers, Diowave can deliver significantly greater dosages of healing energy to much greater depths. There is no pathology too deep-seated for the Diowave Laser to reach.

WILL PATIENTS PAY FOR DIOWAVE HIGH DOSE LASER THERAPY?
DIOWAVE laser users and its predecessor company have been in the private pay market for over 12 years. We previously ran a successful private pay laser clinic for over six years and it is where we developed our clinical training protocols and successful marketing strategies.
## Technical Specifications

### DIOWAVE™ USA Laser System – 20, 30, 45, 60 Watts

<table>
<thead>
<tr>
<th>Laser Type</th>
<th>GaAlAs Diode Laser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Models</td>
<td>Diowave USA 20, 30, 45, 60 watts*</td>
</tr>
<tr>
<td>Wavelength, Laser</td>
<td>980nm</td>
</tr>
<tr>
<td>Maximum Power</td>
<td>20, 30, 45 or 60 watts</td>
</tr>
<tr>
<td>Operation Modes</td>
<td>Continuous wave (CW)</td>
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<tr>
<td></td>
<td>Pulsing Frequency – Variable</td>
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<tr>
<td>Pulse Duration</td>
<td>10μs-3s</td>
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<tr>
<td>Repetition Rate</td>
<td>0.2Hz-20KHz</td>
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<tr>
<td>Fiber Sizes</td>
<td>600 microns</td>
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<tr>
<td>Fiber Connector</td>
<td>Standard SMA905</td>
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<tr>
<td>Aiming Beam</td>
<td>Red Diode Laser</td>
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<tr>
<td></td>
<td>Wavelength: 635nm</td>
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<tr>
<td></td>
<td>Power: 1-3mw</td>
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<tr>
<td>Control Mode</td>
<td>Computer Touch</td>
</tr>
<tr>
<td></td>
<td>Screen</td>
</tr>
<tr>
<td>On / Off</td>
<td>Keyless, Micro Touch Key</td>
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<tr>
<td>Voltage</td>
<td>110/220 VAC, 5a, 50/60 Hz</td>
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<tr>
<td>Dimensions</td>
<td>16.3” X 16.4” X 8.5</td>
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<tr>
<td>Weight</td>
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<tr>
<td>Protocols</td>
<td>Custom Training Module</td>
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<td></td>
<td>Customizable Pre-set Option</td>
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<tr>
<td>Accessories</td>
<td>Heavy Duty Pelican Carrying Case (optional)</td>
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<tr>
<td></td>
<td>Safety Goggles (3 pair included)</td>
</tr>
<tr>
<td></td>
<td>Handpiece – Therapy (included)</td>
</tr>
<tr>
<td></td>
<td>Portable Cart (included)</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 years</td>
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</tbody>
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* The 20, 30 and 45 watt lasers are all upgradeable.

### DIOWAVE™ Laser System – 60 Watts

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<thead>
<tr>
<th>Laser Type</th>
<th>GaAlAs Diode Laser</th>
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<tbody>
<tr>
<td>Models</td>
<td>Diowave 60W</td>
</tr>
<tr>
<td>Wavelength, Laser</td>
<td>980nm</td>
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<tr>
<td>Maximum Power</td>
<td>60 watts</td>
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<tr>
<td>Operation Modes</td>
<td>Continuous Wave (CW)</td>
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<td></td>
<td>Pulsing (Frequency) Single or Repeat Variable Pulse</td>
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<td>Pulse Duration</td>
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<td>Repetition Rate</td>
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<td>Fiber Sizes</td>
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<td>Fiber Connector</td>
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<td>Aiming Beam</td>
<td>Red Diode Laser</td>
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<tr>
<td></td>
<td>Wavelength: 635nm</td>
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<tr>
<td></td>
<td>Power: 1-3mw</td>
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<tr>
<td>Control Mode</td>
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<td>On / Off</td>
<td>Keyed Micro Touch</td>
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<tr>
<td>Voltage</td>
<td>110/220 VAC, 5a, 50/60 Hz</td>
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<td>Dimensions</td>
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<tr>
<td>Weight</td>
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<tr>
<td>Protocols</td>
<td>Pre-Sets Protocols Built in</td>
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<tr>
<td></td>
<td>Customizable Pre-Set Option</td>
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<tr>
<td>Accessories</td>
<td>Heavy Duty Carrying Case (optional)</td>
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<td></td>
<td>Portable Cart (included)</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 Years</td>
</tr>
</tbody>
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*The 20, 30 and 45 watt lasers are all upgradeable.*
MISSION STATEMENT – BUY AMERICAN
Our Mission is to develop, manufacture, and market advanced medical products, including laser technologies, to improve the quality of life for the millions of people and animals who suffer from pain and injury. Quality, reliability and integrity are the primary focus of our Company. The Diowave USA Laser will be the first of its kind to be truly engineered and manufactured in the United States using the finest components available.

COMMITTED TO YOUR SUCCESS
Each Diowave USA Class IV Laser System has been designed by experienced engineers and clinicians to provide years of reliable use. We back this up by a comprehensive three (3) year warranty, the best available.

In addition, we offer a Customer Service Program, a Patient Marketing Program and a Clinical Training Program that will support you regarding the safe and effective use of our laser system. Your success is our success.

ACT NOW. SCHEDULE A FREE NO OBLIGATION DEMONSTRATION TODAY!