

Changing the Way the World Treats Pain

MIR4[®]
SUPER PULSED LASER

 Multi Radiance
Medical[®]
Laser Longevity™

International Edition

Multi Radiance Medical Technology—Anchored in Science™.

Smarter Technology. Smarter Choice.

Goal of Super Pulsed Laser Therapy

The goal of laser therapy is to deliver light energy units, in the form of photons, to damaged tissue cells. Photons absorbed by the cells through laser therapy stimulate mitochondria to accelerate production of ATP. This biochemical increase in cell energy helps transform cells from state of illness to a stable, healthy state.

The challenge to practitioners has been to exceed the limitations of low powered therapeutic lasers, and effectively deliver photons, or pain-reducing and healing power, to specific treatment areas and depths without harm to the patient. Multi Radiance Medical meets this challenge.

Super Pulsed Laser Therapy—The Most Optimal Mechanism for Laser Delivery

- Highest photon density with lowest thermal impact to tissue
- Higher peak power with greatest degree of safety of any therapeutic laser available
- Delivers controlled therapeutic energy deep into tissue more effectively than Continuous Wave and pulsed-modulated lasers while preserving the overlying epidermis
- Allows unique control of depth/power of laser energy

The Cascade Energy Effect™—triple synchronized wavelengths

- 905 nm Super Pulsed Laser Therapy penetrates the deepest into tissue
- Multi Radiance Medical uses three clinically proven wavelengths: 660 nm, 875 nm and 905 nm to cover the entire therapeutic spectrum for optimal tissue saturation
- Sophisticated software algorithm synergizes multiple wavelengths, creating cascading effect: 660 nm absorbed by superficial tissue clears the way for infrared 875 nm to penetrate deeper and eliminate cellular interference which allows infrared 905 nm super pulsed laser to go even deeper: up to 4-5 inches
- Multi Radiance Medical's proprietary multi-source technology successfully manipulates the interaction between light, laser and magnetic energy fields to achieve the desired penetration in the target tissue area

LaserStim™ with TARGET™ Revolutionizes Super Pulsed Laser Therapy

- Only FDA cleared device combining neurological electrical stimulation and laser in single probe
- LaserStim with TARGET (Treatment Area Recognition and Guidance Enhanced Technology) enables clinicians and assistants to quickly identify areas to treat and uses proprietary technology to automatically dose these areas with the proper amount of laser energy, without over-treating
- Provides optimized energy settings by specific treatment area and application
- Integrates a neuroadaptive biphasic wave electrical stimulation
- Because of "one of a kind" combination therapy design, can allow for third party insurance reimbursement

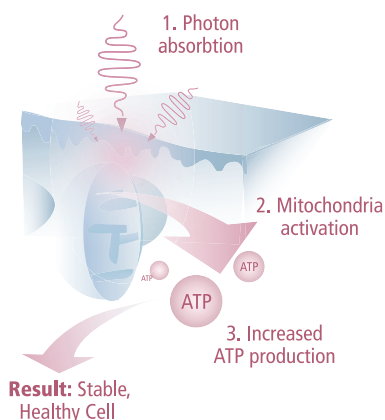
LaserSweep,™ Preset/Manual Frequencies

- Patented technology changes frequencies (number of laser pulses emitted per second) to "scan" target tissue from superficial to deep, preventing bodily adaptation to laser energy and thus resilience to its therapeutic effects
- Treatment presets are based on clinical experience and research

Safety, Global Experience and Support

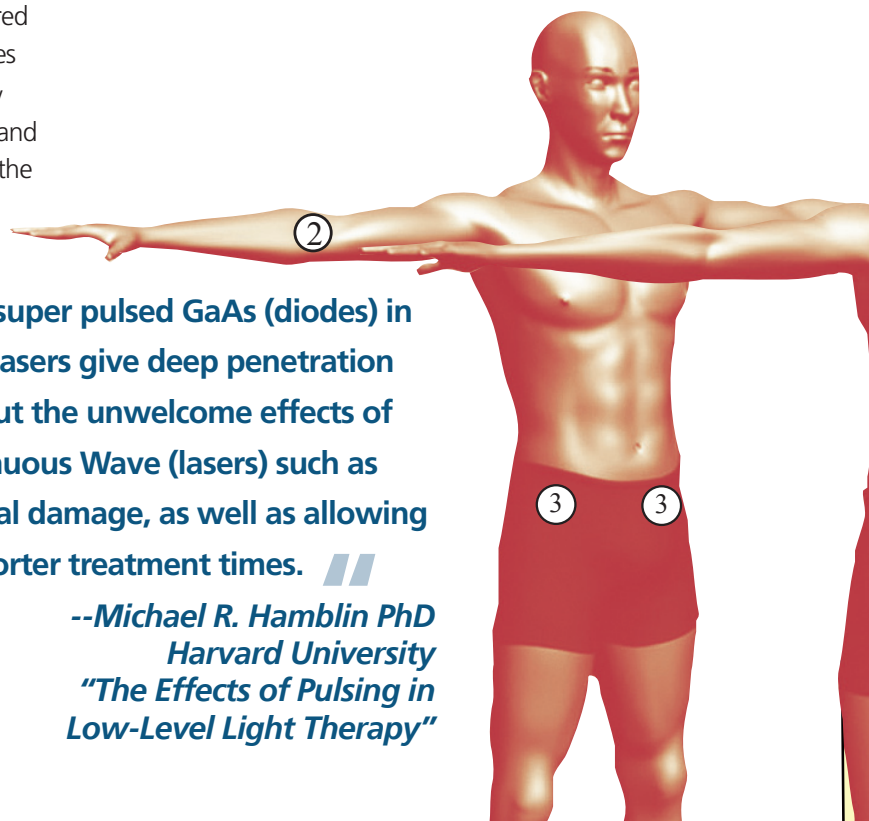
- 400,000 device Install-base in 30+ countries
- 20 years clinical track record
- Used in 15,000+ private practices
- Highest degree of safety available
- Allows delegation of treatment to staff without potential of thermal hazard
- Makes clinical time more efficient and productive
- Standard 2 year warranty with optional additional 3 years

Process of Healing a Cell



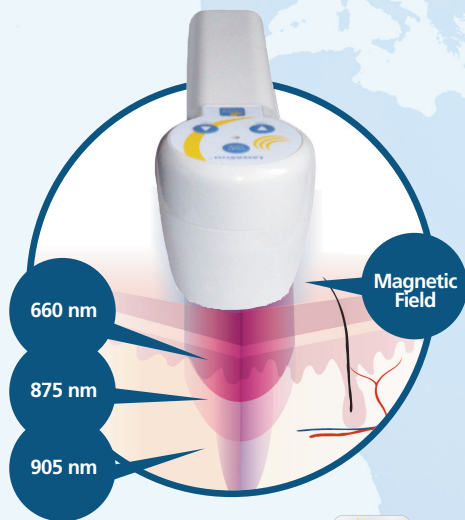
/// ...The super pulsed GaAs (diodes) in GaAs lasers give deep penetration without the unwelcome effects of Continuous Wave (lasers) such as thermal damage, as well as allowing for shorter treatment times. ///

--Michael R. Hamblin PhD
Harvard University
"The Effects of Pulsing in Low-Level Light Therapy"



Multi Radiance Medical Exclusive Technology Innovations

Therapeutic Radiances, LaserStim and LaserSweep



Therapeutic Radiances



1. The super pulsed laser (905 nm) produces high powered light in 100 billionth-of-a-second pulses that drive the photons, or light energy, up to 10-13cm (4-5 inches) deep into the target tissue without any harmful thermal effects. The MR4's photon density reduces pain, improves micro-circulation and increases healthy cell metabolism by generating Adenosine Triphosphate (ATP).
2. Pulsed broadband infrared emitting diodes (875 nm) penetrate shallower tissue depths than the laser, and provide a broader spectrum of coverage.
3. Pulsed red light (660 nm) reduces inflammation.
4. Static magnetic field keeps ionized molecules of tissue in a dissociated state, enhancing the body's ability to absorb the laser's energy.



LaserStim with TARGET



Based on the changes in tissue physiology, LaserStim with TARGET (Treatment Area Recognition and Guidance Enhanced Technology) quickly identifies optimal treatment areas and alerts you to them via an LED indicator and a sound alert. It automatically applies a measured DOSE of treatment for fast, easy and accurate pain relief.

LaserStim combines laser and e-stim

Combining light therapy and neurostimulation, LaserStim enables clinical to identify optimal treatment areas and alerts you to them via an LED indicator and sound alert. LaserStim then uses DOSE technology to give these areas just the right amount of laser therapy necessary. LaserStim is potentially insurance reimbursable.



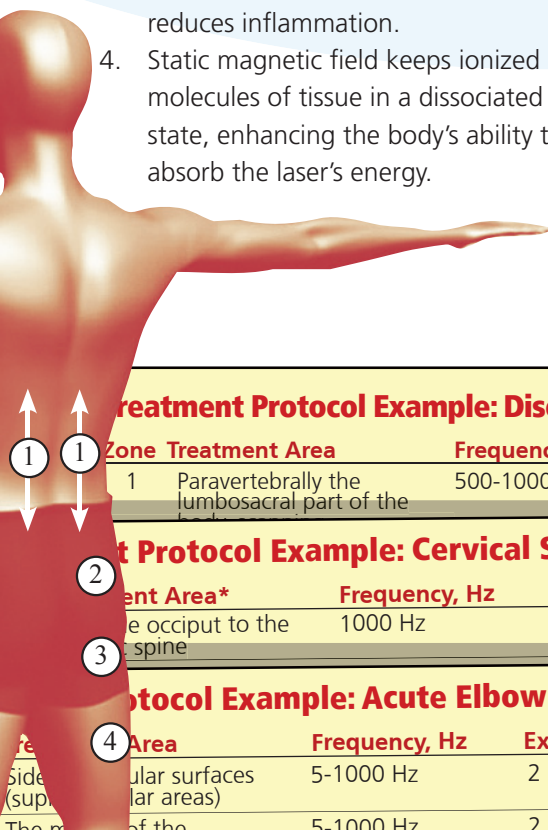
LaserSweep



The constant use of the same frequency, as found in duty cycle lasers, can cause the body's tissue to adapt to the laser's effects, thus limiting its therapeutic power. The MR4's LaserSweep varies its frequency to prevent the tissue from adapting.

Hands Free Therapy

Hands free therapy carts and armatures allow for unattended treatments.



Treatment Protocol Example: Disc Herniation

Zone	Treatment Area	Frequency, Hz	Exposure Time
1	Paravertebrally the lumbosacral part of the	500-1000 Hz	3 minutes on each side

Treatment Protocol Example: Cervical Strain

Treatment Area*	Frequency, Hz	Exposure Time
1 occiput to the spine	1000 Hz	1 minute on each area

Treatment Protocol Example: Acute Elbow Pain

Area	Frequency, Hz	Exposure Time
1 ulnar surfaces (supracondylar areas)	5-1000 Hz	2 minutes on each area
2 of the	5-1000 Hz	2 minutes on each area



MR4 Super Pulsed Lasers—The Latest Generation in the Evolution of Laser Therapy.



MR4[®] SUPER PULSED LASER CONSOLE

In-Clinic or Cordless. Choose What Works Best For You and Your Practice.

The MR4 In-Clinic Advantage

- **25,000-50,000 mW of Super Pulsed power**
Highest photon density with lowest thermal effect
- **4 treatment modes**
Preset, LaserSweep, manual and patient programs
- **3 ports**
Simultaneous use of up to 3 laser emitters to speed treatment times
- **Convenient and versatile**
Available with LaserStim and LaserShower emitters and forward compatible with new Multi Radiance Medical technology



MR4ACTIV[™] CORDLESS

The MR4 ACTIV Cordless Advantage

The MR4 ACTIV cordless laser therapy device offers pain relief and improved flexibility for professional and amateur athletes alike.

- Has the same 3 wavelengths found in MR4 console plus blue light (470 nm)
- Manages acute and chronic pain
- Reduces muscle spasm
- 25,000 mW of deep tissue Super Pulsed Laser Therapy
- Ideal for sporting events, pre- and post-game travel
- Cordless with up to 8 hours of rechargeable battery power for both in-clinic and on-the-field use
- 6 treatment modes
- Power option of 50% and 100% for geriatric and pediatric patients



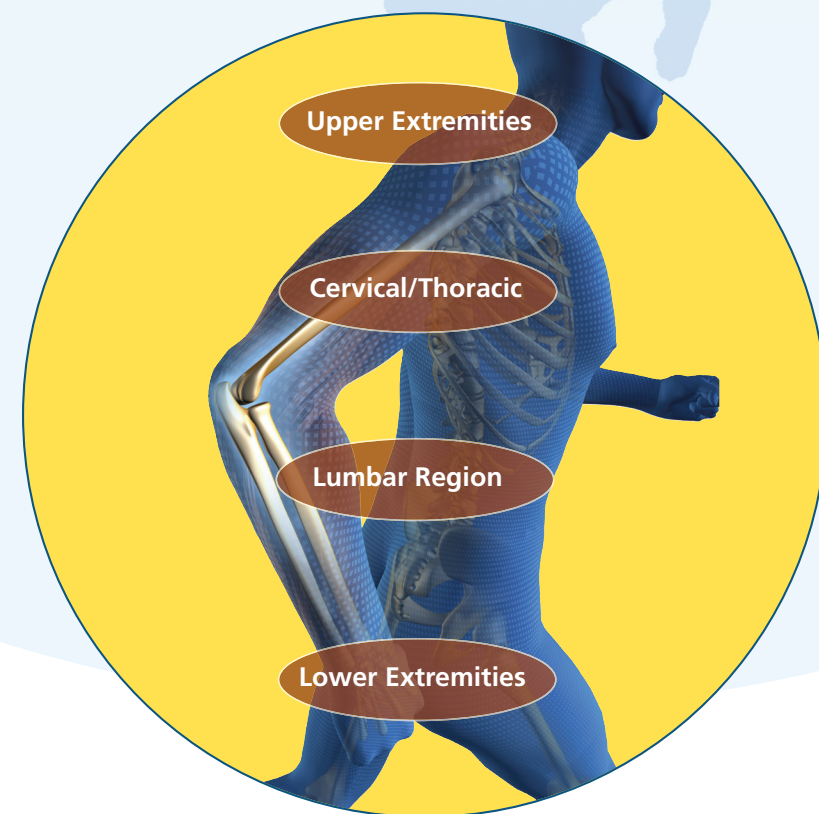
Multi Radiance Medical Super Pulsed Laser Therapy: Changing the Way the World Treats Pain.

Benefit to Patients

- Drug free pain relief
- Safe, non-invasive
- Pain free treatment
- Faster recovery
- increased joint flexibility
- Affordable treatments

Successful Double Blind Clinical Studies

Numerous randomized double blind clinical trials have shown the health-efficacy of Multi Radiance Medical technology. A clinical study of 140 participants saw an 88% positive effect for our laser therapy relieving pain caused by arthritis in the small and medium joints.



Acupuncture-Muscle Trigger Probes

Acupuncture-muscle trigger probes let you treat smaller areas and target acupuncture points. This makes the MR4 even more versatile and capable of achieving fast ROI.



MR4 Super Pulsed Laser Therapy Treats Over 300 Conditions Globally*

- Arthritis-Hip Joint
- Arthritis-Patellafemoral
- Arthritis-Temporomandibular
- Arthritis-Wrist
- Arthrosis-Sub Talar
- Arthrosis-Temporomandibular
- Bursitis-Elbow (Olecranon)
- Calcaneal Spur
- Cervical spine pain/strain
- Disk herniation
- Epicondylitis-Lateral
- Frozen Shoulder
- Hernia-Intervertebral Disc
- Injuries-Meniscal Knee
- Ligament Sprains
- Lumbar pain
- Muscle Strain
- Osteoarthritis
- Pain-Acute from Trauma
- Pain-Rib
- Radiculopathy-Lumbar
- Sciatica
- Soft Tissue Injuries
- Spinal osteochondrosis
- Sprain-Acute Gleno Humeral
- Sprain-Ankle (Lateral Acute)
- Sprain-Cervical
- Sprain-Elbow
- Sprain-Knee
- Sprain-Sacroiliac
- Strain-Lumbar
- Subluxation-Shoulder
- Tendonitis-Achilles
- Tendonitis-Patellar
- Tendonitis-Rotator Cuff
- Tendonitis-Semi-Membranous
- Tennis Elbow
- Upper Extremity-Edema/Swelling
- Wrist sprain

More...

* **Specific geographical indications include:**

FDA (USA): For temporary relief of minor muscle and joint pain, arthritis and muscle spasm, relieving stiffness, promoting relaxation of muscle tissue and to temporarily increase blood circulation where heat is indicated.

HealthCanada: for treatment of muscular skeletal conditions, wounds, burns and pain in general to accelerate the natural healing process.

CE Mark (Europe): Multi Radiance Medical Laser devices are designed for painless, noninvasive non-pharmacological treatment of diverse diseases of a human being. They provide simultaneous penetrative impact of coherent (laser) and incoherent (SLD) light fluxes of infrared and red spectrum on the organism in combination with the impact provided by a static magnetic field. These devices combine the most efficient types of electromagnetic radiation.

More for Your Patients. More for Your Bottom Line.

MR4 Brings Faster ROI and Allows for Potential Insurance Reimbursement.

Partnering with Multi Radiance Medical brings you many advantages in this faster and more competitive world. Your patients are more savvy and technology is more sophisticated than ever. You need a partner to give you the edge with its knowledge of laser therapy and focus on service.

We Give You More:

- **More ease-of-use:** TARGET (Treatment Area Recognition and Guidance Enhanced Technology)
- **More peak power:** 25,000-50,000mW with a high degree of safety
- **More clinical success:** Better outcomes, safe, easy-to-use
- **More experience:** In 3,000+ hospitals and 15,000 private practices
- **More professionalism:** Used by college and professional athletes
- **More treatment protocols:** Over 300 worldwide
- **More support:** Monthly webinars, patient marketing materials and more
- **More versatility:** Upgradeability and selection of emitters
- **More portability:** MR4 ACTIV is cordless with an eight hour rechargeable battery for use both in-clinic and in the field
- **More reimbursement:** LaserStim potentially allows for insurance reimbursement

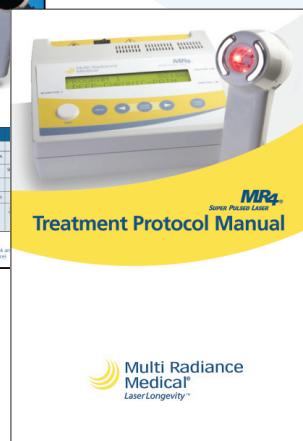
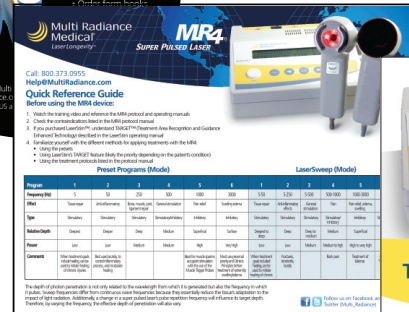
With simple preset protocols, flexible custom modes and quick treatment times, the MR4 seamlessly integrates into and energizes a thriving practice.

“ The Multi Radiance Medical laser is the most scientific and effective modality that has come along since therapeutic ultrasound. The ability to use the equipment and its safety factors is by far the best. We have used it effectively for all musculoskeletal, acute and chronic conditions. It has increased our patient referrals significantly. ”

Brent Ungar, DC, CCSP

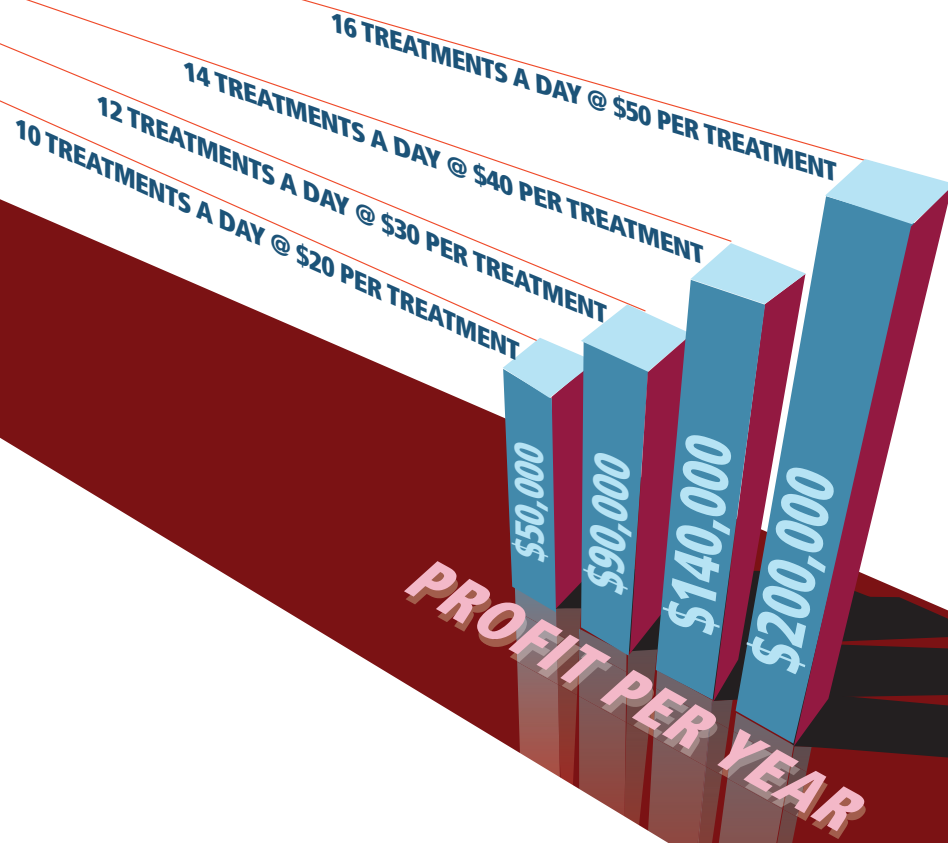
To Further Enhance ROI, Multi Radiance Medical Provides Business, Marketing and Product Support Packages:

- Clinical and marketing strategies
- Seminars and webinars on how to use the technology safely and effectively and how to introduce it to your patients
- Patient education brochures and office posters
- Telephone support from doctors with clinical experience using the MR4
- Training videos
- Quick reference guides
- Treatment protocol manuals



Starting from above: office poster, marketing materials DVD, quick reference guide and treatment protocol manual

Multi Radiance Medical lasers are used in over 3,000 hospital and over 15,000 private practices. What can the MR4 do for your patients?



Smarter Technology. Smarter Choice.

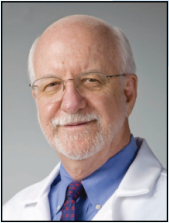
Numerous Randomized Double Blind Clinical Trials Have Shown The Efficacy of Super Pulsed Laser Therapy.

Clinical Studies and Papers are Available at www.MultiRadiance.com.

For more than 20 years, Multi Radiance Medical has developed advanced pain relieving laser therapy technologies. We create

safe, non-invasive and highly effective products that improve the lives of people by reducing pain.

In The Words of The Experts:



“ Our partnership with Multi Radiance Medical will enable us to bring innovations to chiropractors around the world who are seeking solutions to chronic patient care issues. ”

Arlan W. Fuhr, DC

Co-founder & CEO, Activator Methods International



“ After several months of research and loaner units from several companies, I decided to upgrade my laser to the MR4 by Multi Radiance Medical. This has been an excellent adjunct therapy to the Graston Technique that I use in my office. ”

Dr. John Bartholet

Body in Motion Chiropractic Clinic



“ Multi Radiance Medical’s MR4 Laser Therapy device provides unparalleled pain relief for acute and chronic conditions. It also helps restore mobility and range of motion, which allows for faster post-injury recovery during an intense season. ”

Chris Kingsley

Head Athletic Trainer

Los Angeles Kings

2012 Stanley Cup Champions

Who Uses Multi Radiance Medical Technology:

- Chiropractors
- Physical Therapists
- Osteopathic Professionals
- Medical Professionals
- Athletic Trainers
- NFL
- NBA
- NHL
- MLB
- MLS
- University of Notre Dame
- University of Michigan
- Stanford University
- University of Kentucky



Chicago Bulls
Cleveland Cavaliers
Dallas Mavericks
Los Angeles Clippers
Memphis Grizzlies
San Antonio Spurs
Marquette University
St. Leo University
University of Kentucky



Kansas City Royals
Los Angeles Dodgers
Minnesota Twins
Seattle Mariners



Atlanta Falcons
Detroit Lions
Kansas City Chiefs
San Francisco 49ers
St. Louis Rams
Michigan State University
Stanford University
University of Miami
University of Notre Dame



D.C. United
FC Dallas
Columbus Crew
Sporting KC
French National Soccer Team
Russian National Soccer Team
Chicago Fire
Colorado Rapids
Houston Dynamo
Real Salt Lake



Anaheim Ducks
Calgary Flames
Chicago Blackhawks
Colorado Avalanche
Detroit Red Wings
Los Angeles Kings
Montreal Canadiens
Nashville Predators
New York Islanders
Ottawa Senators
Philadelphia Flyers
San Jose Sharks
St. Louis Blues
Tampa Bay Lightning
Vancouver Canucks
Washington Capitals
Manchester Monarchs
Norfolk Admirals
Worcester Sharks
CSKA Russian Hockey Team
University of Michigan

We are proud to support:



Ohio State



Chiropractic Association



ACTIVATOR
METHODS®
INTERNATIONAL LTD.



Chiropractic Schools Around the World Trust Multi Radiance Medical MR4 Super Pulsed Laser Therapy.



ANGLO-EUROPEAN
COLLEGE OF CHIROPRACTIC



WELSH INSTITUTE
OF CHIROPRACTIC
SEFYDLIAD
CEIROPRACTEG CYM

UNIVERSITY OF PRIFYSGOL
Glamorgan
Morgannwg
CARDIFF • PONTYPRIDD • CALDERDYDD



REAL CENTRO UNIVERSITARIO
Escorial – María Cristina

LOGAN
COLLEGE OF CHIROPRACTIC
UNIVERSITY PROGRAMS

LIFE
UNIVERSITY

SCU
SOUTHERN CALIFORNIA UNIVERSITY OF HEALTH SCIENCES



PARKER
UNIVERSITY

"Partnerships like this are extremely important to us because it gives our students the chance to work with cutting-edge equipment like Multi Radiance Medical's lasers."
Dr. Fabrizio Mancini
President, Parker University



LIFE CHIROPRACTIC
COLLEGE WEST

"Life Chiropractic College West appreciates the support of companies like Multi Radiance Medical in the education of our students and the care of our patients in the Health Center. The training, service and attention provided have been exceptional."
Scott Donaldson, B.S., D.C.
Dean of the Health Center
Life Chiropractic College West



NEW YORK
CHIROPRACTIC
COLLEGE

"We are always thrilled to partner with companies that share our commitment to quality patient care and academic excellence."
Wendy Maneri, D.C., M.S.
Dean of Health Centers
New York Chiropractic College

National
University of Health Sciences

"The MR4 lasers are important to our educational and patient care service. Your training sessions have been well received and have provided valuable information for our students and faculty."
Dr. David B. Parish, D.C., C.S.C.S.
D.A.C.B.S.P., C.K.T.I.
Dean of Clinics
National University of Health Sciences



PALMER
College of Chiropractic

"We are excited to see the potential that the MR4 laser therapy brings to the care of patients in our clinical settings, and the opportunity for student interns to witness firsthand the therapeutic benefits of this treatment option."
Larry L. Swank, D.C.
Clinic Systems Administrator
Palmer College

Multi Radiance Medical, Inc.
6565 Cochran Road
Solon, Ohio 44139
USA

Worldwide:

- Moscow, Russia
- Kfar Saba, Israel
- Hamar, Norway
- Limassol, Cyprus
- Sydney, Australia
- San Juan, Puerto Rico
- Ottawa, Canada

Multi Radiance
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LaserLongevity™

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info@MultiRadiance.com
www.MultiRadiance.com
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